

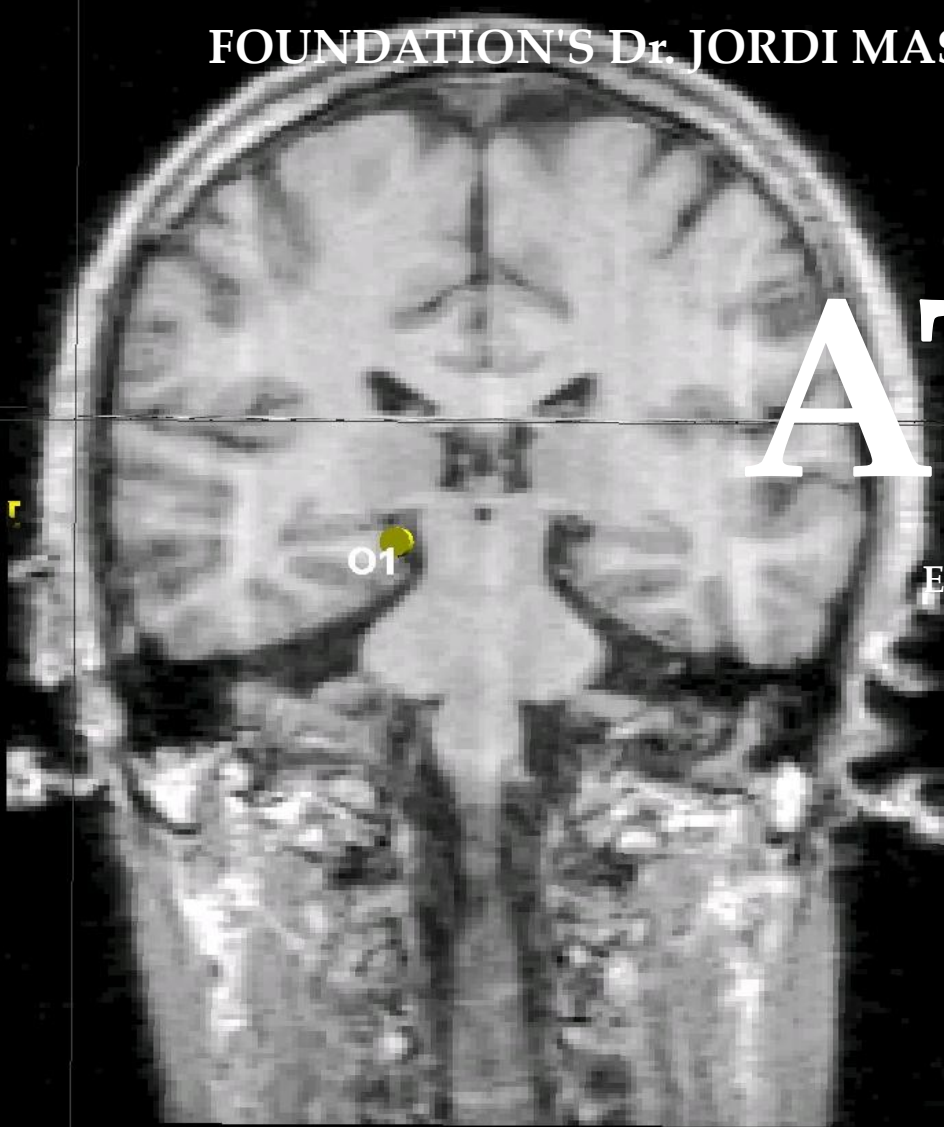
FOUNDATION'S Dr. JORDI MAS i MANJON

ATLAS

ELECTROENCEPHALOGRAPHY

T7

O1



Since 1975



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Atlas of Electroencephalography

Summary maps E.E.G. research on the interaction of emotions with cognitions.

EEG showed a collection obtained in our research department, is only a sample, we consider the possibility of editing in the future a complete atlas with all EEG and detailed explanations of each.

It should be detailed, the maps produced from this small atlas, this corresponds to children and adolescents ages 10 years to 14 years.

Children and adolescents with cognitive handicaps, still have not reached the proper maturity of his age.

There are, few traces in the EEG very uneven, with excessive deflections and a predominance of slow waves.

It should explain to the observer of these EEG, which is very pronounced deflections, this is due to "artifacts" we do not anticipate events, muscle contractions, eye movements or involuntary hands movements.

Interestingly, the conceptual representations of the arrangement of the electrodes is a very tight layout. This provision is not better than the excellent program Epoc, but provides some intermediate positions of the channels of EEG for the study of highly relevant research.

This atlas is a complement to previous reports on the investigation of fear, frustration and other emotions in interaction with cognition.

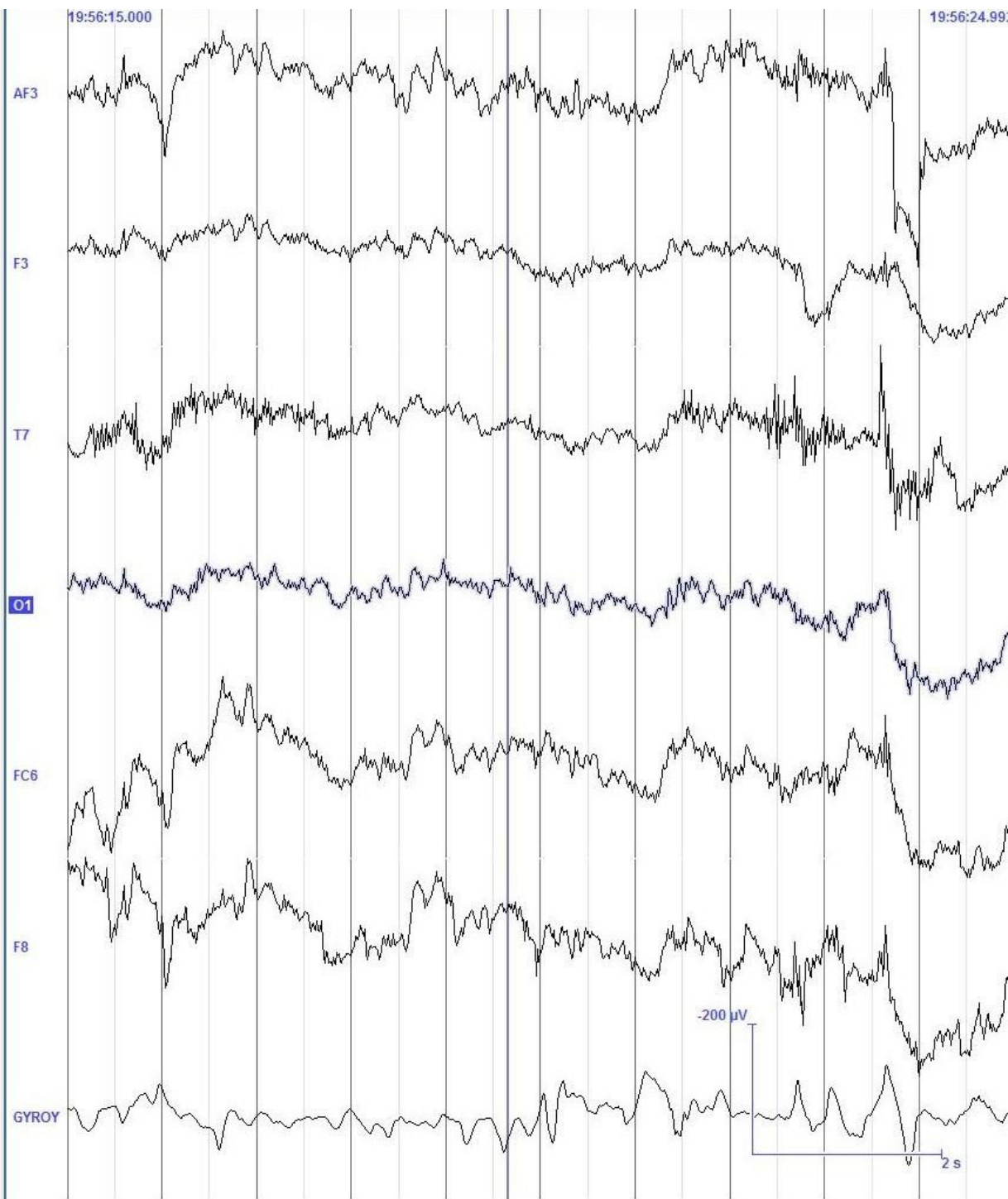
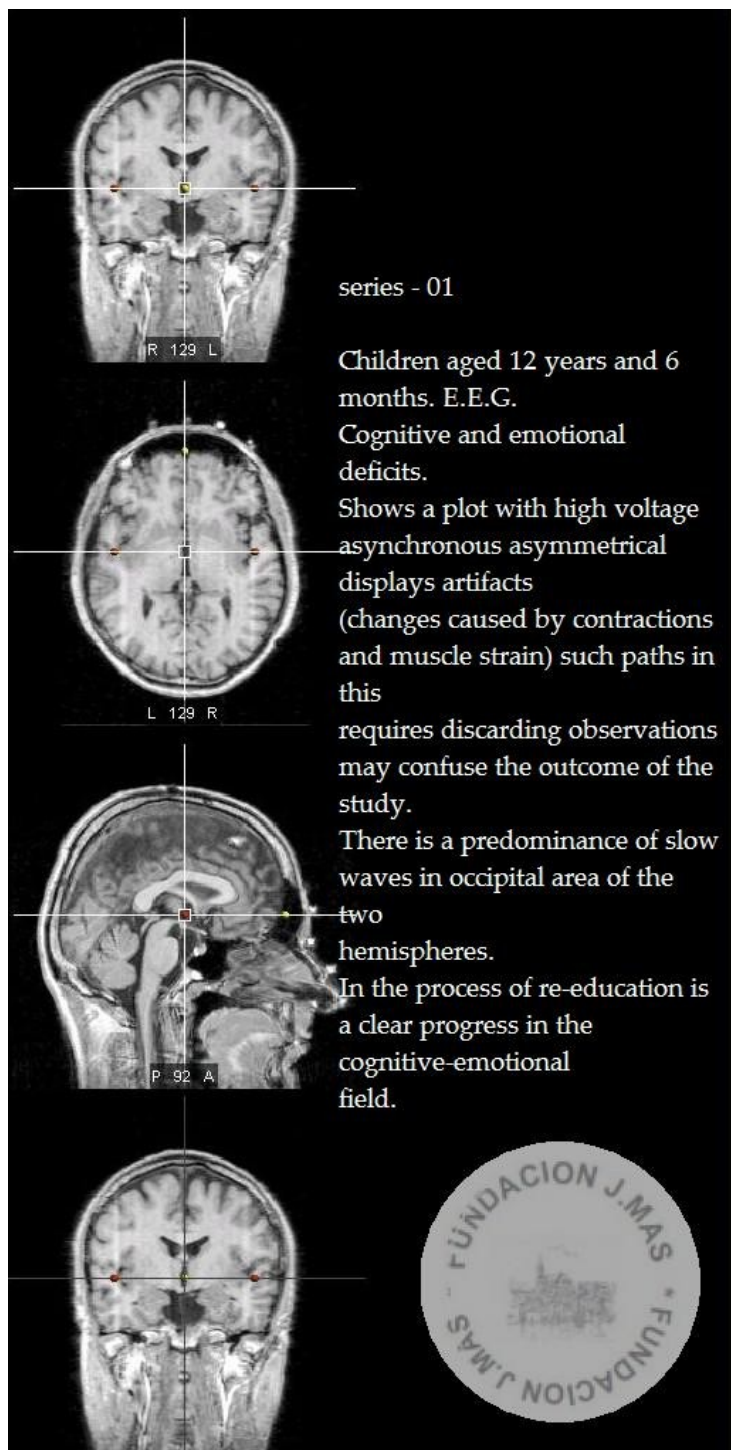
Shown in concept maps in this atlas focuses on the investigation of slow wave theta and alpha range in the occipital and frontal regions.

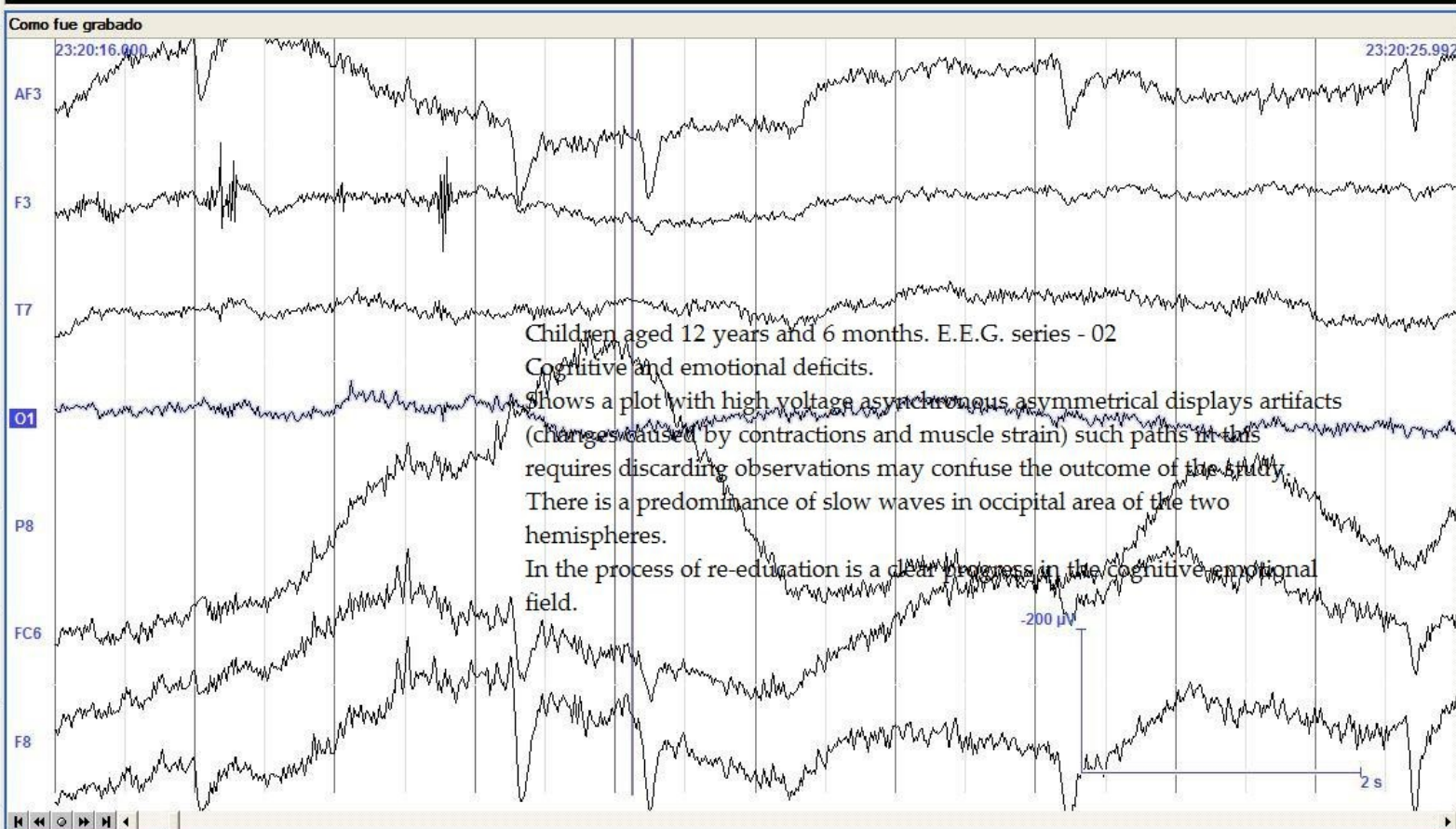
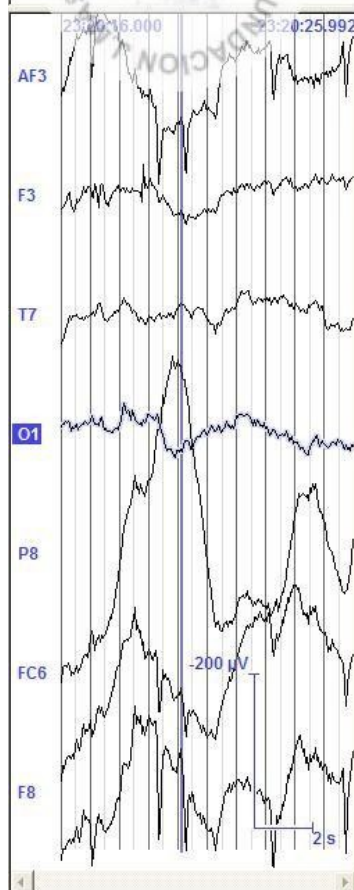
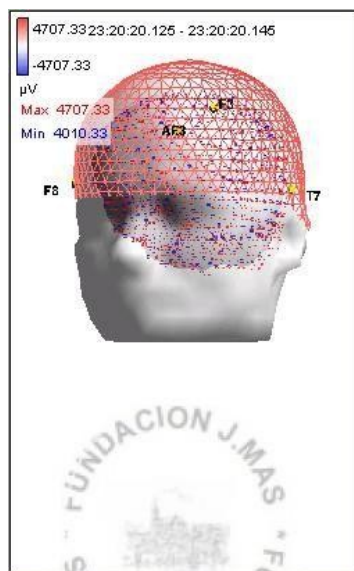
For ages are varied traces of voltage, are not uniform because it varies in regions where adults show other rhythms of brain waves.

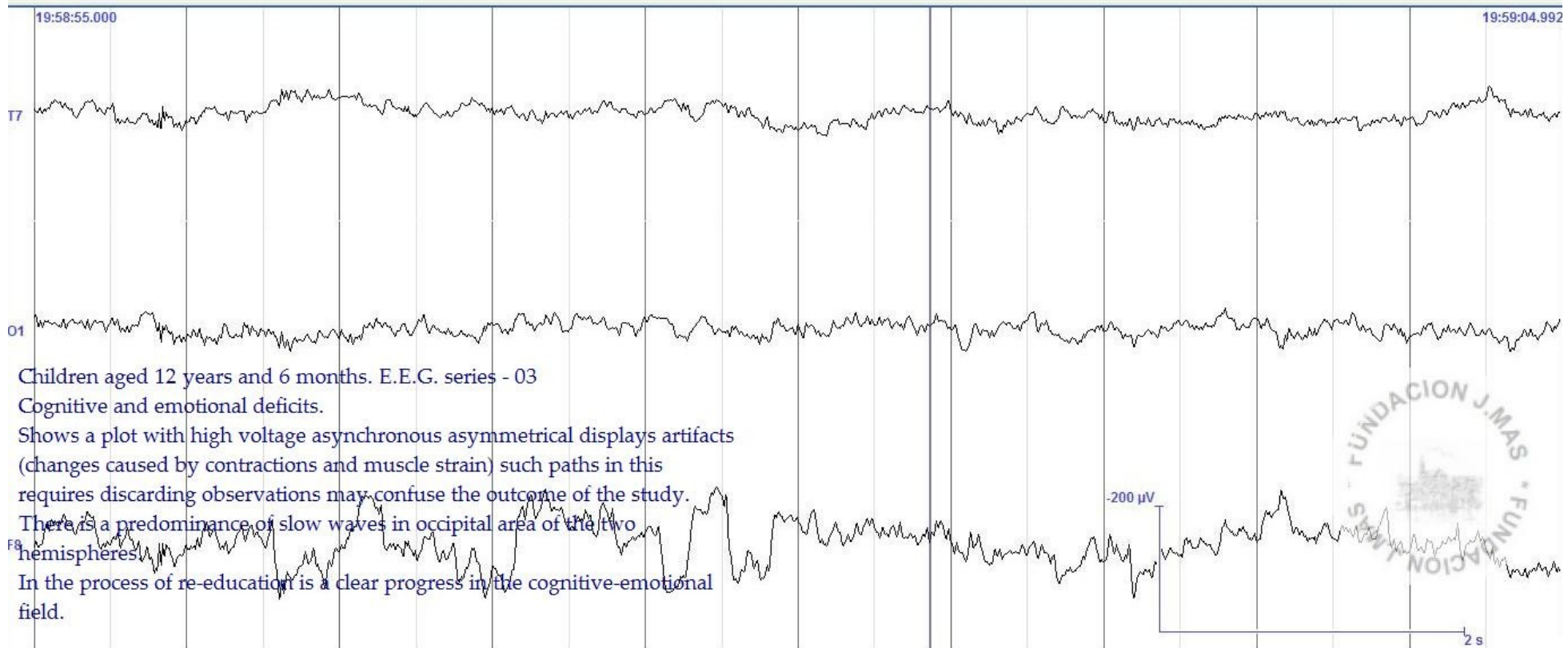
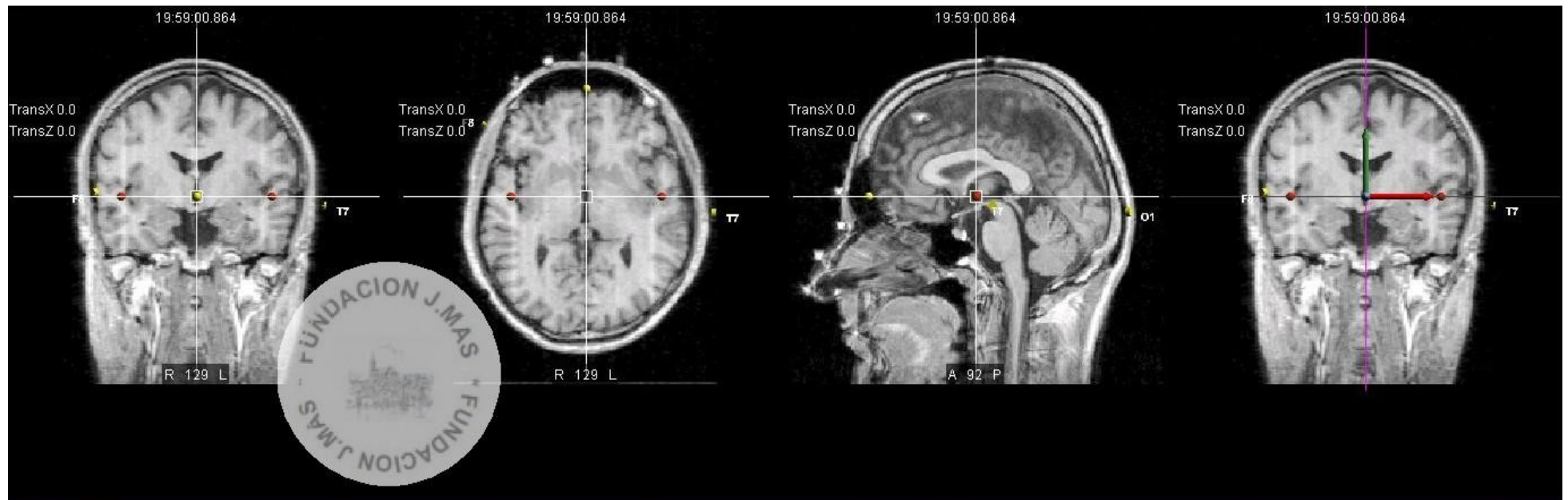


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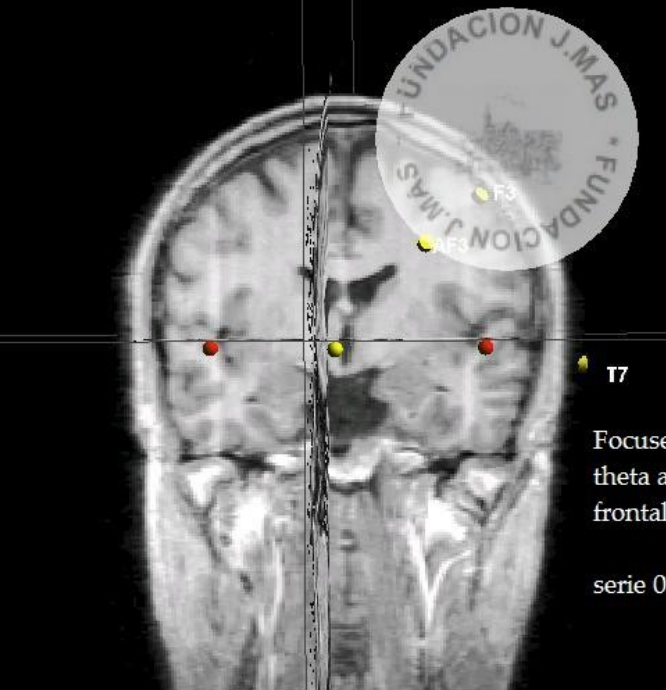
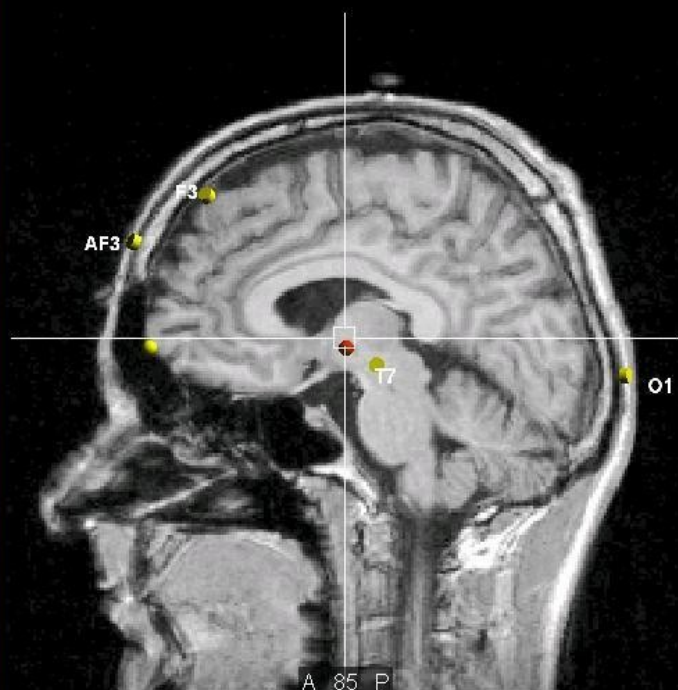
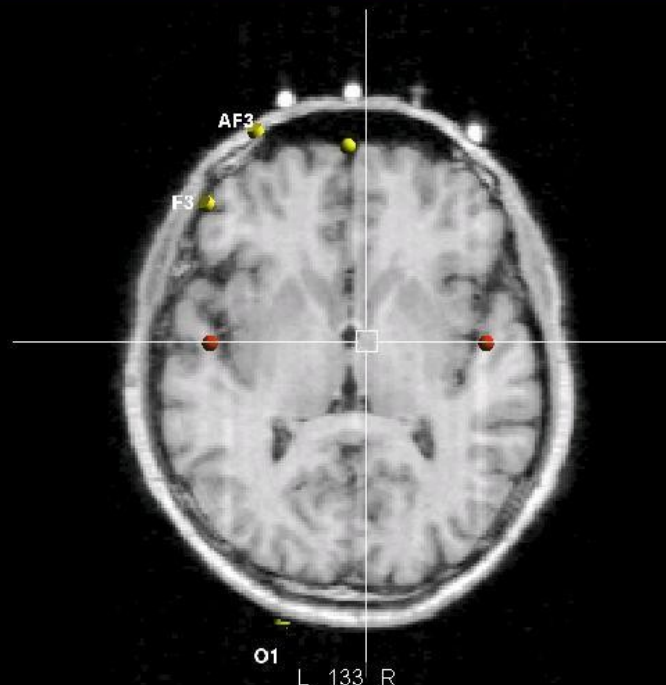
Children aged 12 years and 6 months. E.E.G. series - 03

Cognitive and emotional deficits.

Shows a plot with high voltage asynchronous asymmetrical displays artifacts (changes caused by contractions and muscle strain) such paths in this requires discarding observations may confuse the outcome of the study.

There is a predominance of slow waves in occipital area of the two hemispheres.

In the process of re-education is a clear progress in the cognitive-emotional field.



Focuses on the investigation of slow wave
theta and alpha range in the occipital and
frontal regions.

serie 03

T7

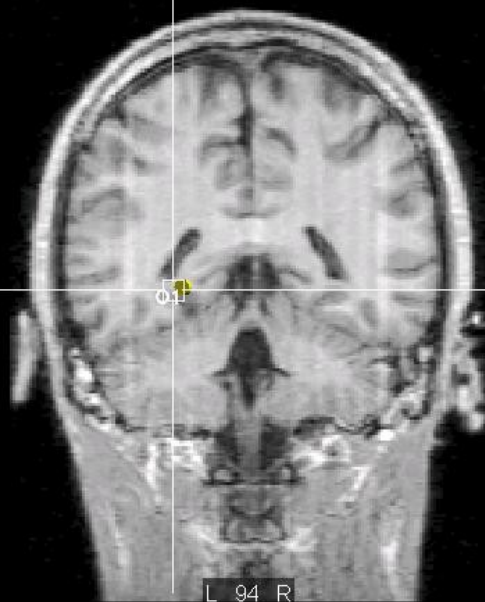
01

Focuses on the investigation of slow wave theta and alpha range in the occipital and frontal regions.

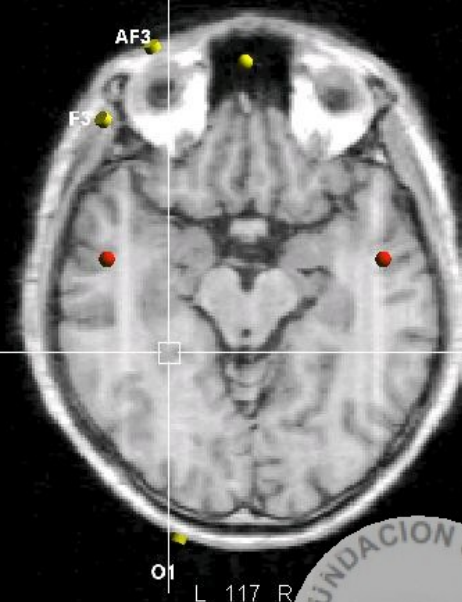
serie 02



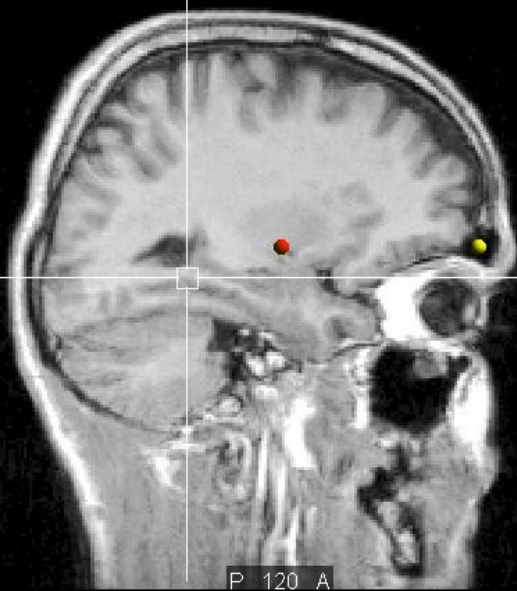
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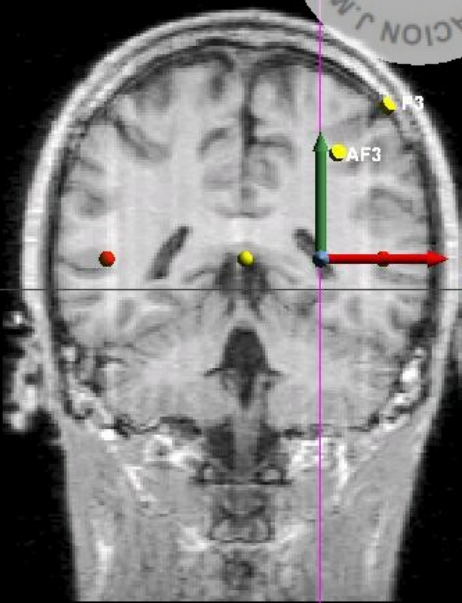
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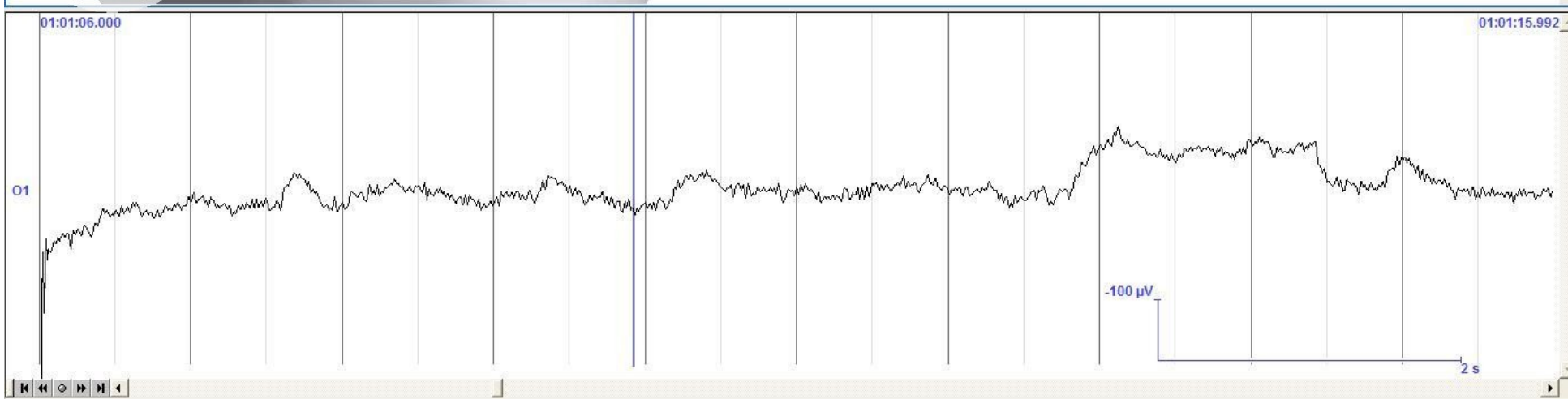
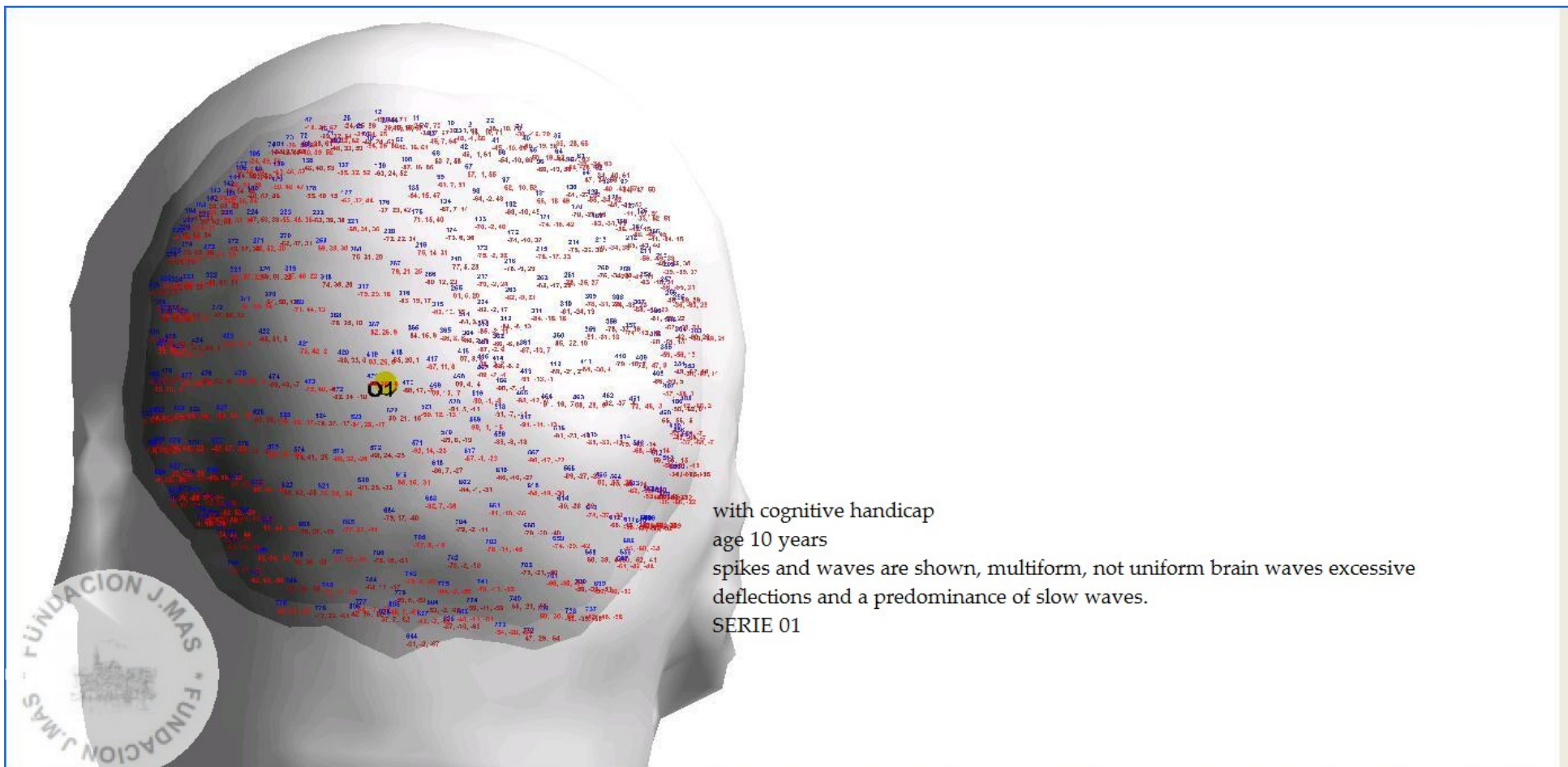
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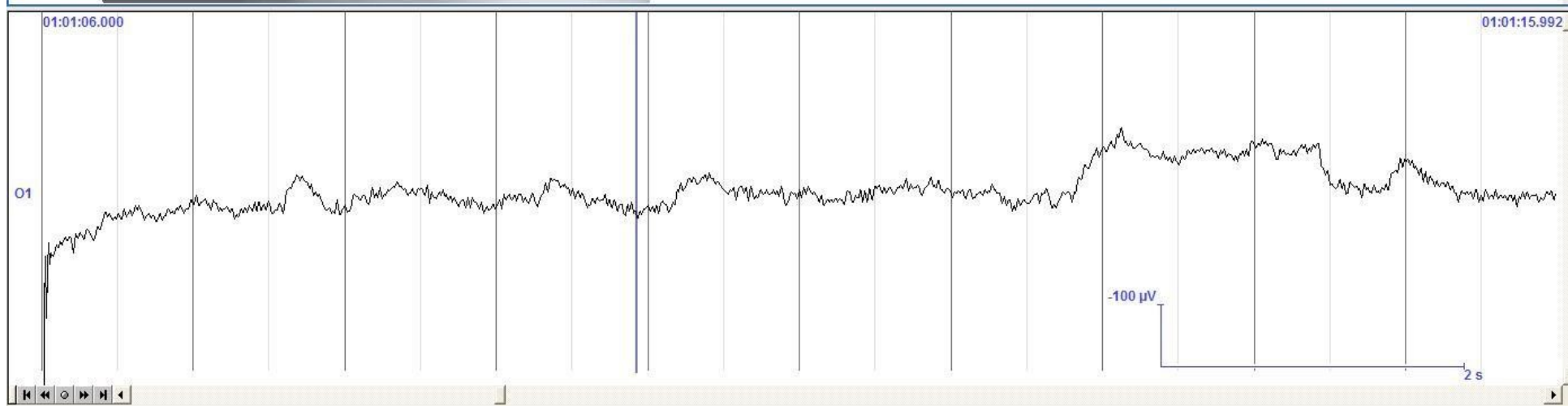
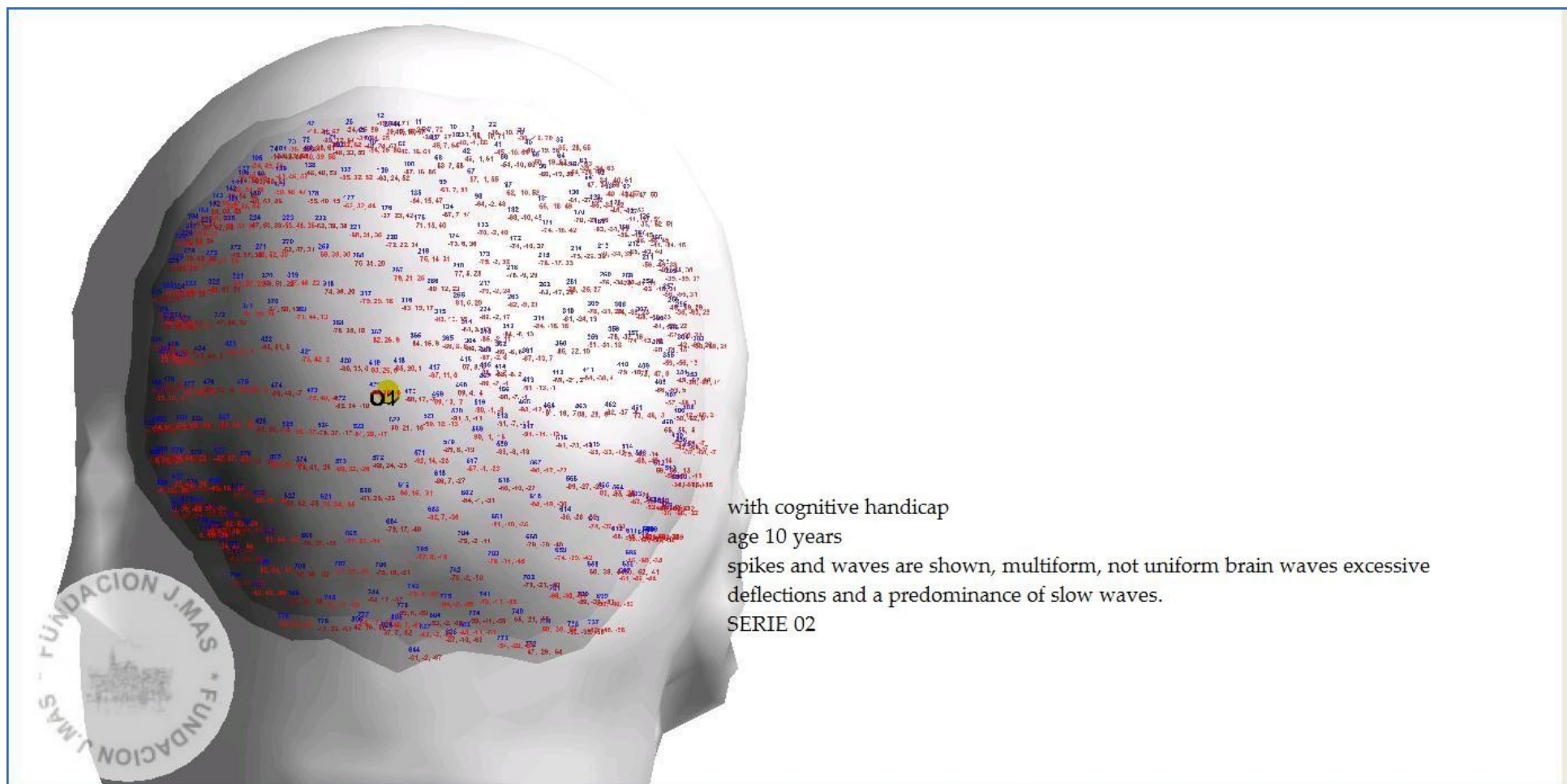


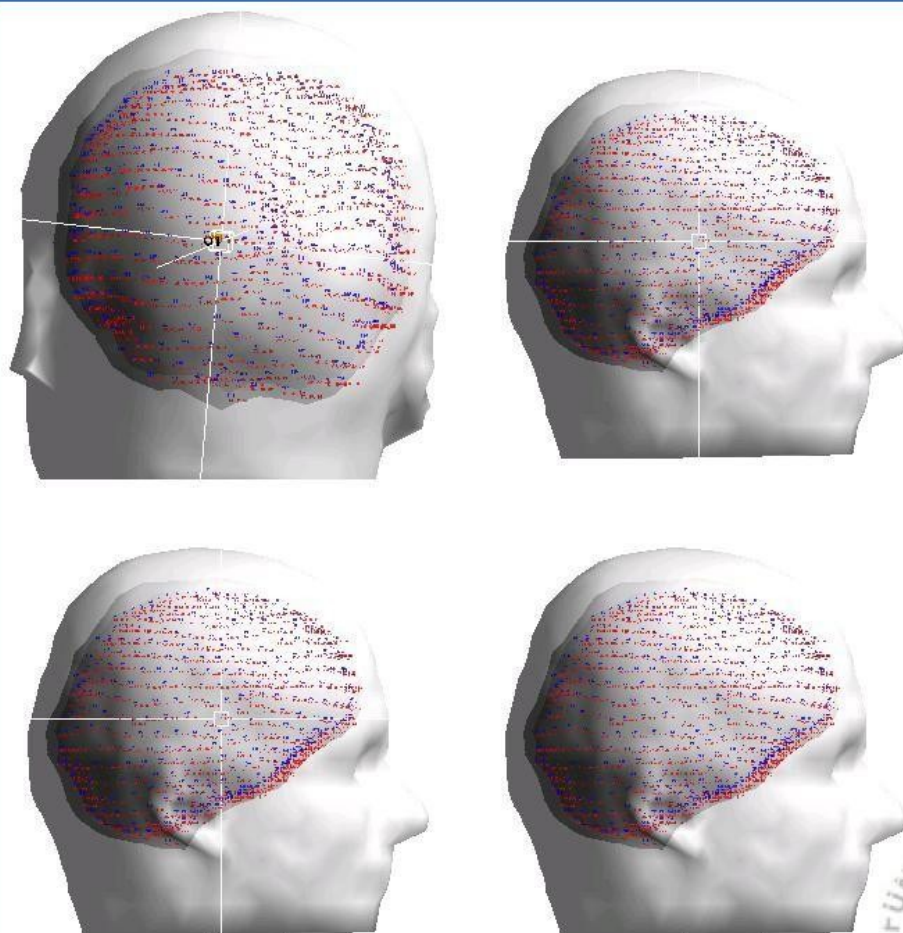
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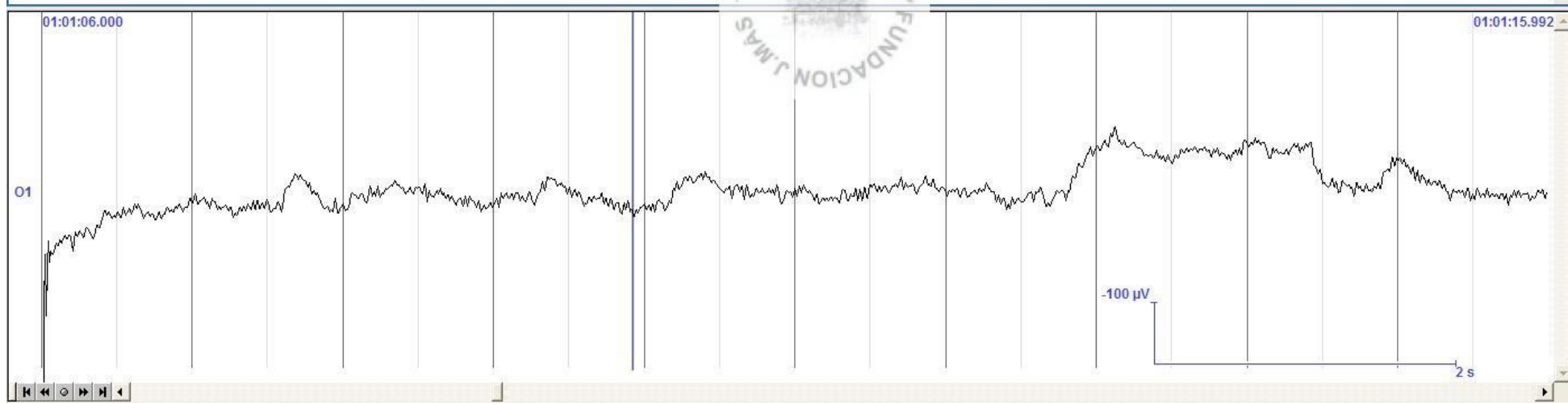
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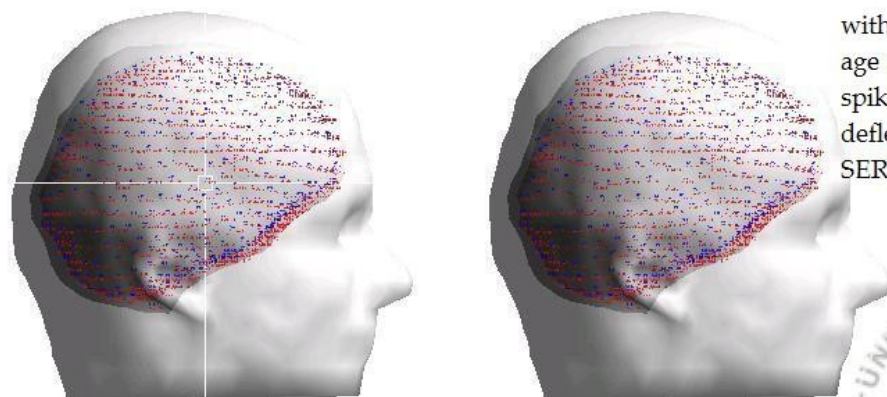
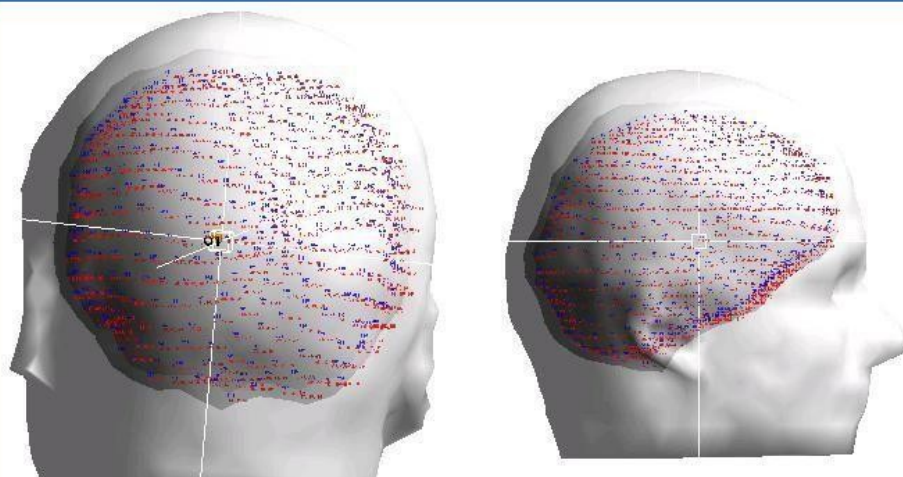




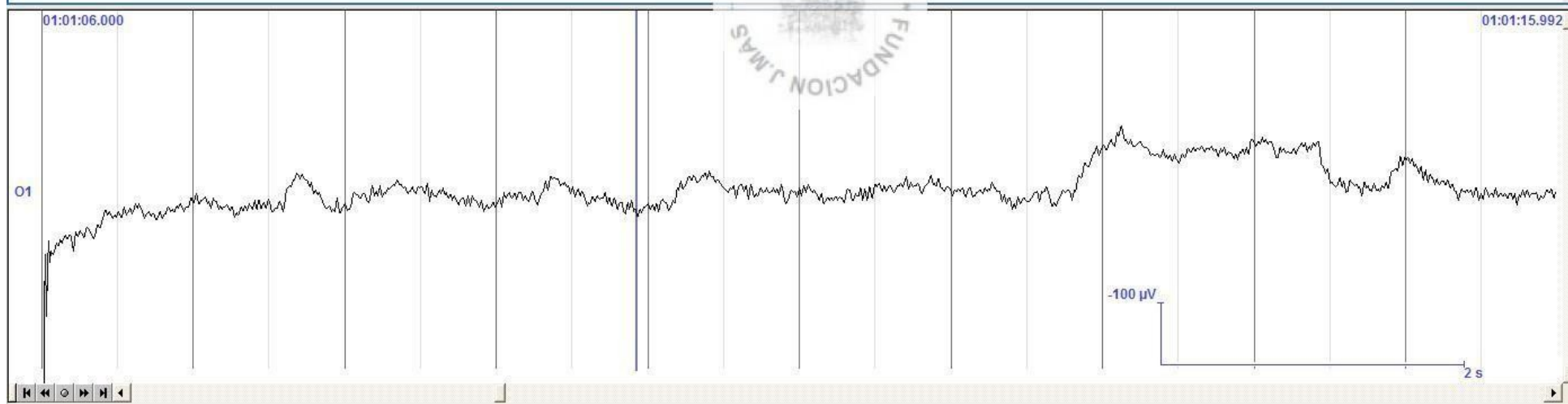


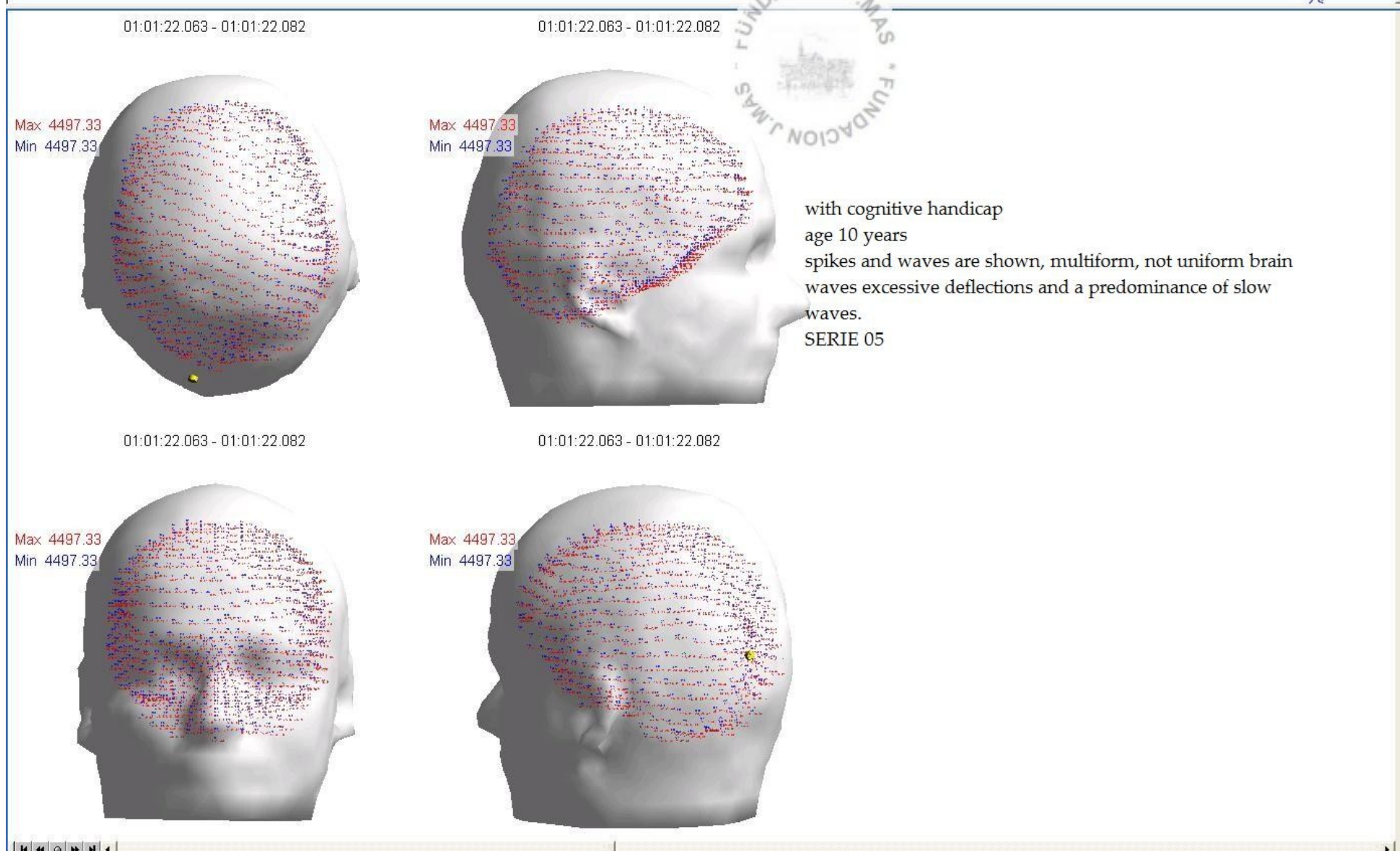
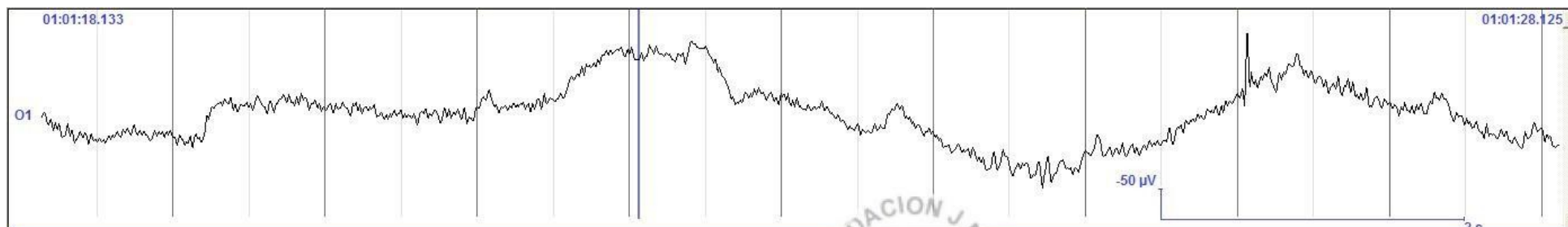
with cognitive handicap
age 10 years
spikes and waves are shown, multiform, not uniform brain waves
excessive deflections and a predominance of slow waves.
SERIE 03

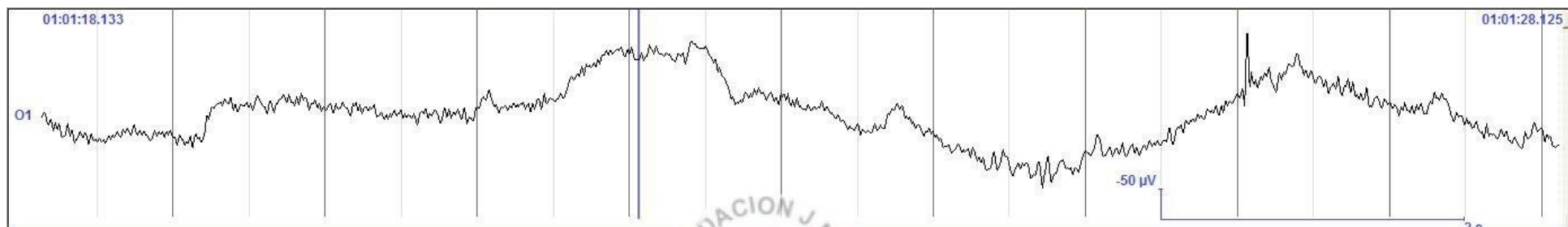




with cognitive handicap
age 10 years
spikes and waves are shown, multiform, not uniform brain waves excessive
deflections and a predominance of slow waves.
SERIE 04





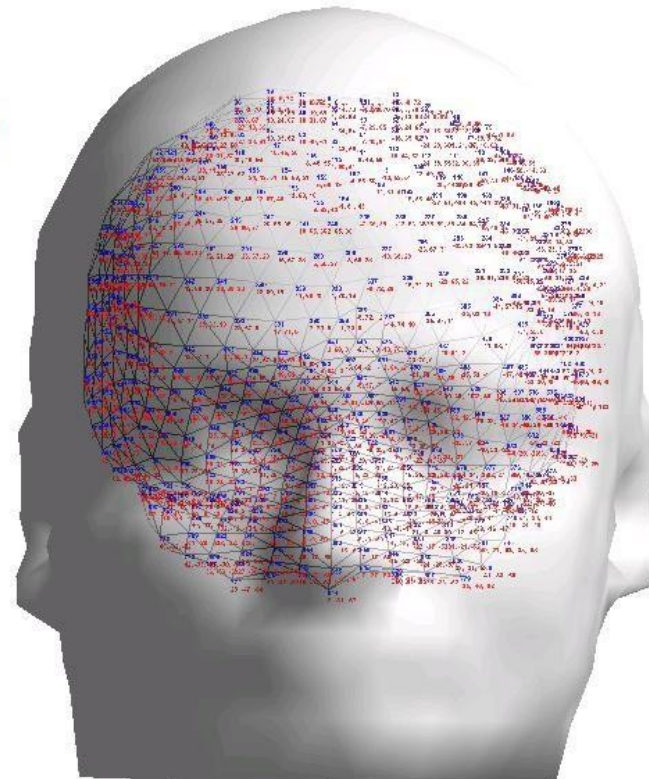
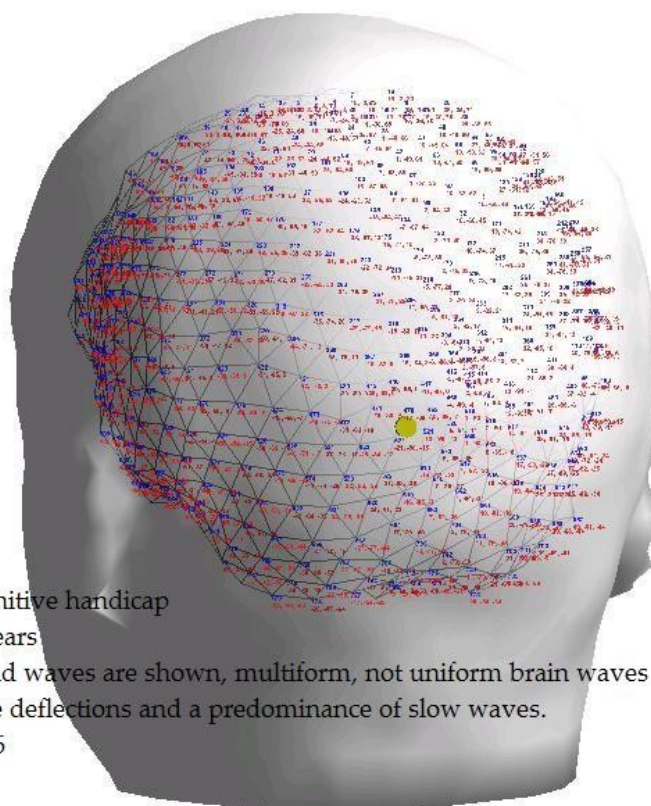


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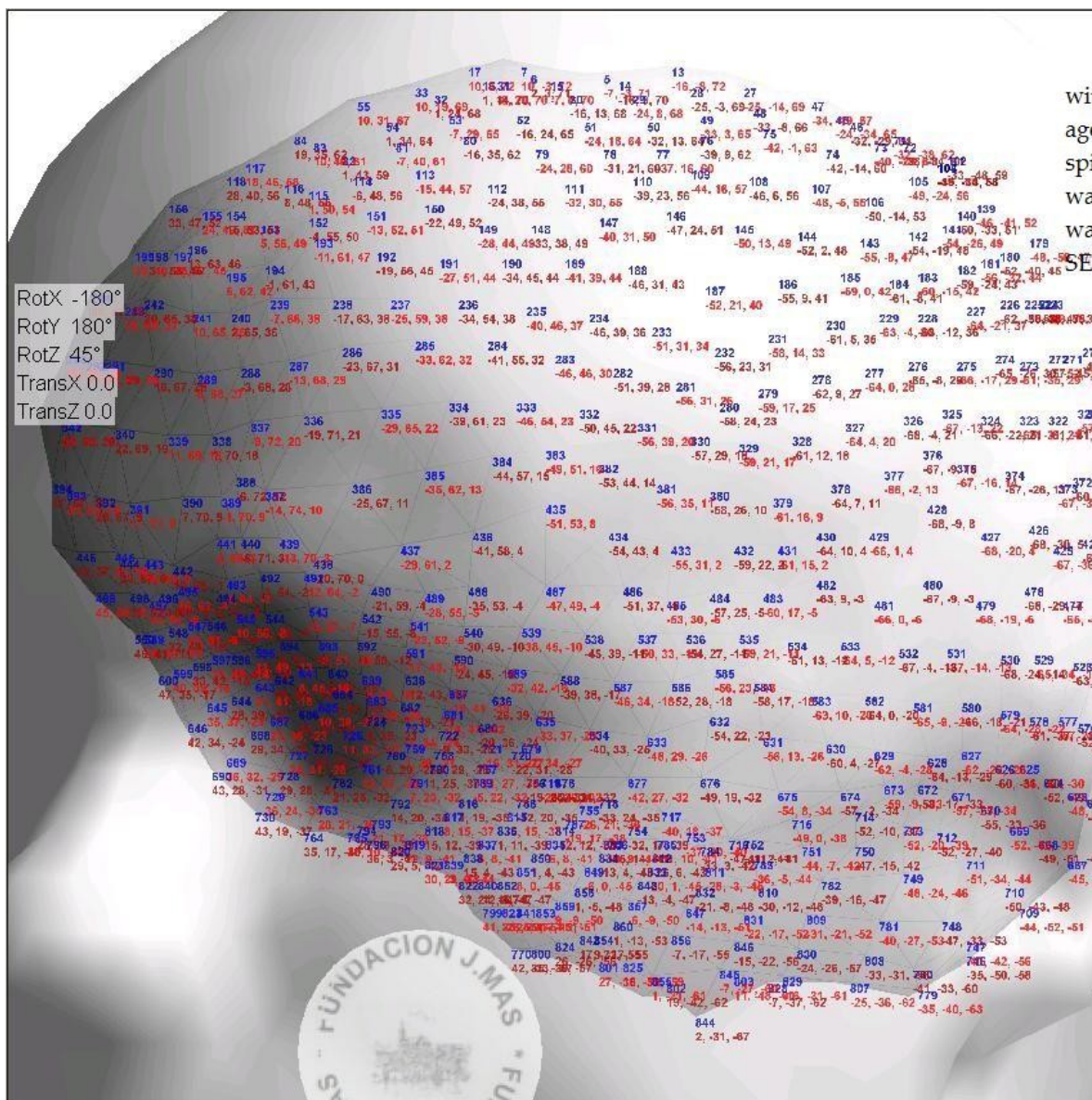
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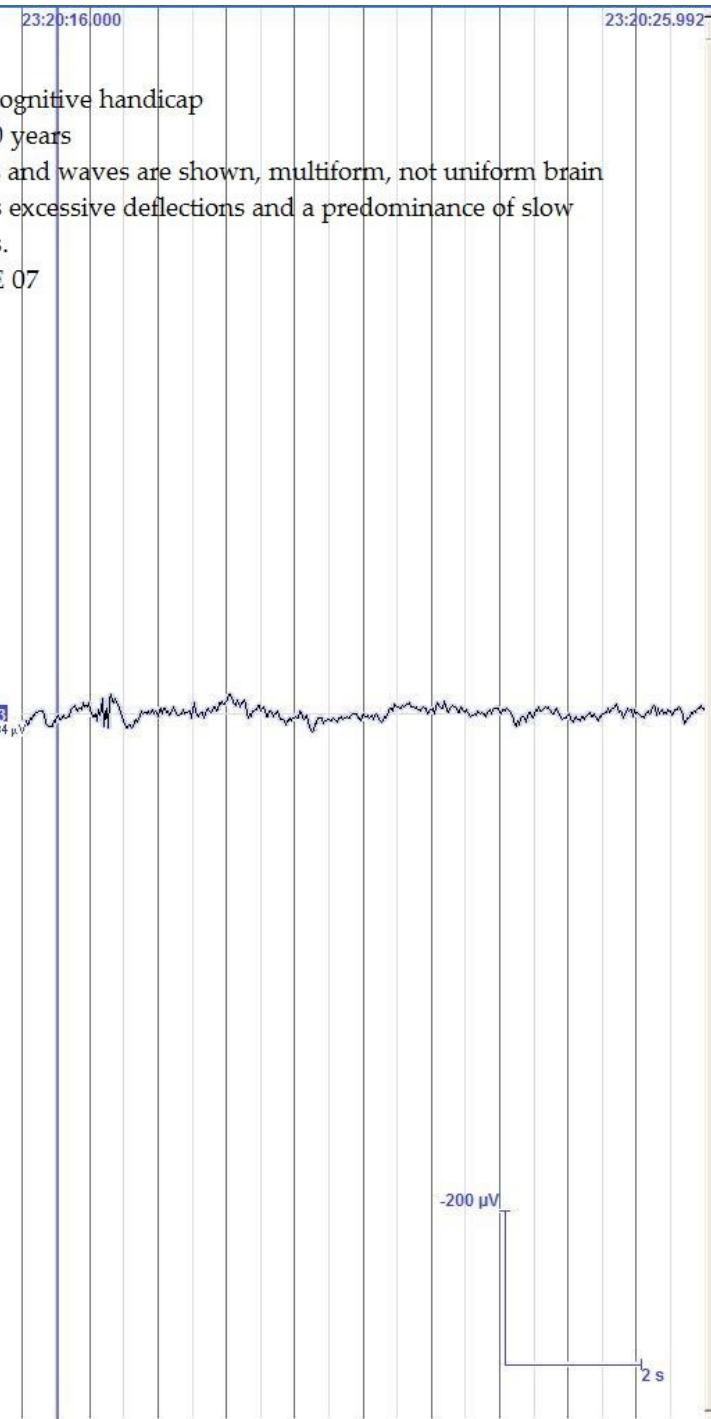


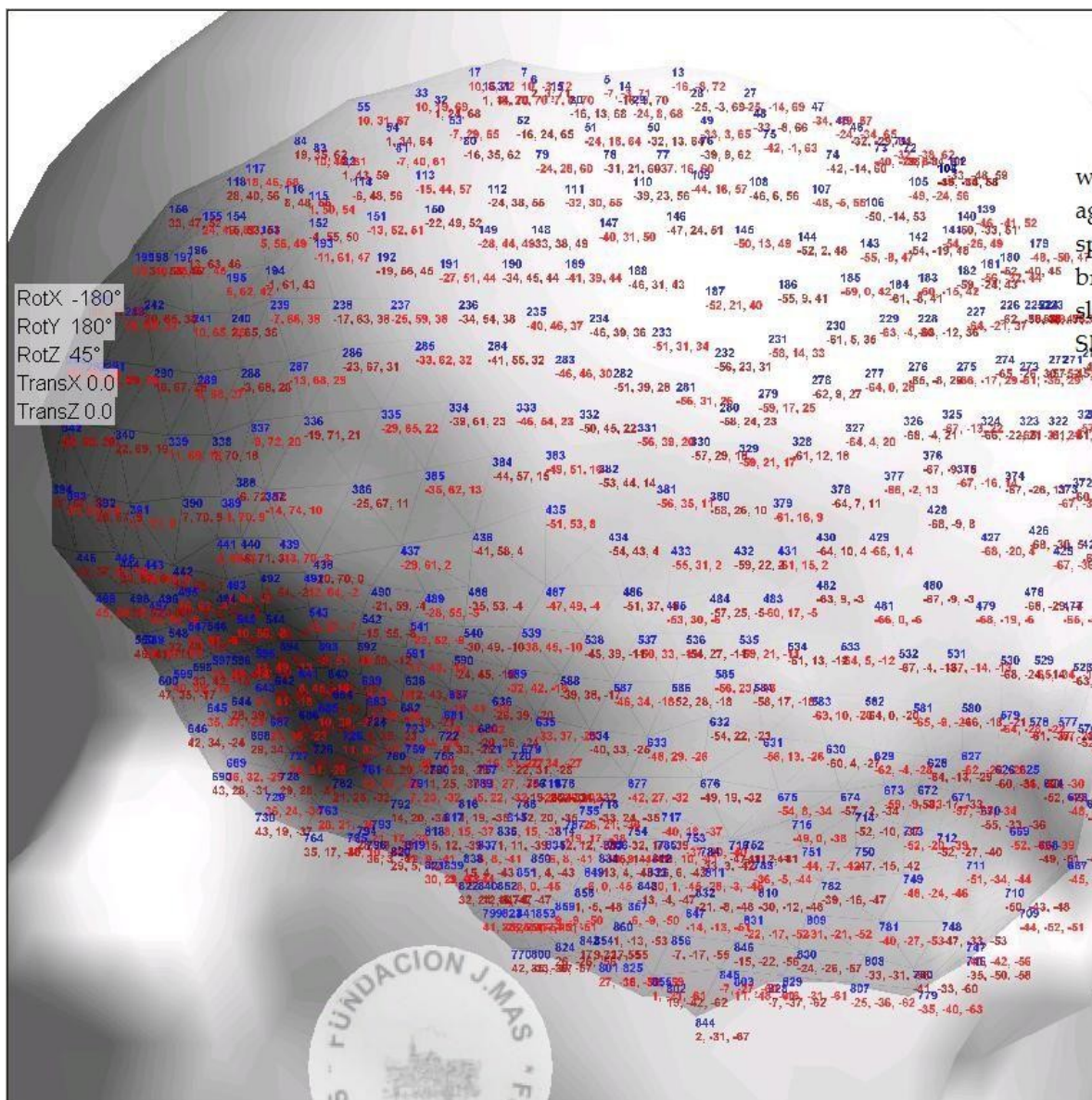
with cognitive handicap
age 10 years
spikes and waves are shown, multiform, not uniform brain waves
excessive deflections and a predominance of slow waves.
SERIE 06



with cognitive handicap
age 10 years
spikes and waves are shown, multiform, not uniform brain
waves excessive deflections and a predominance of slow
waves.

SERIE 07





with cognitive handicap
 age 10 years
 spikes and waves are shown, multiform, not uniform
 brain waves excessive deflections and a predominance of
 slow waves.
 SERIE 08

F3
 1.48 μ V

-200 μ V

2 s

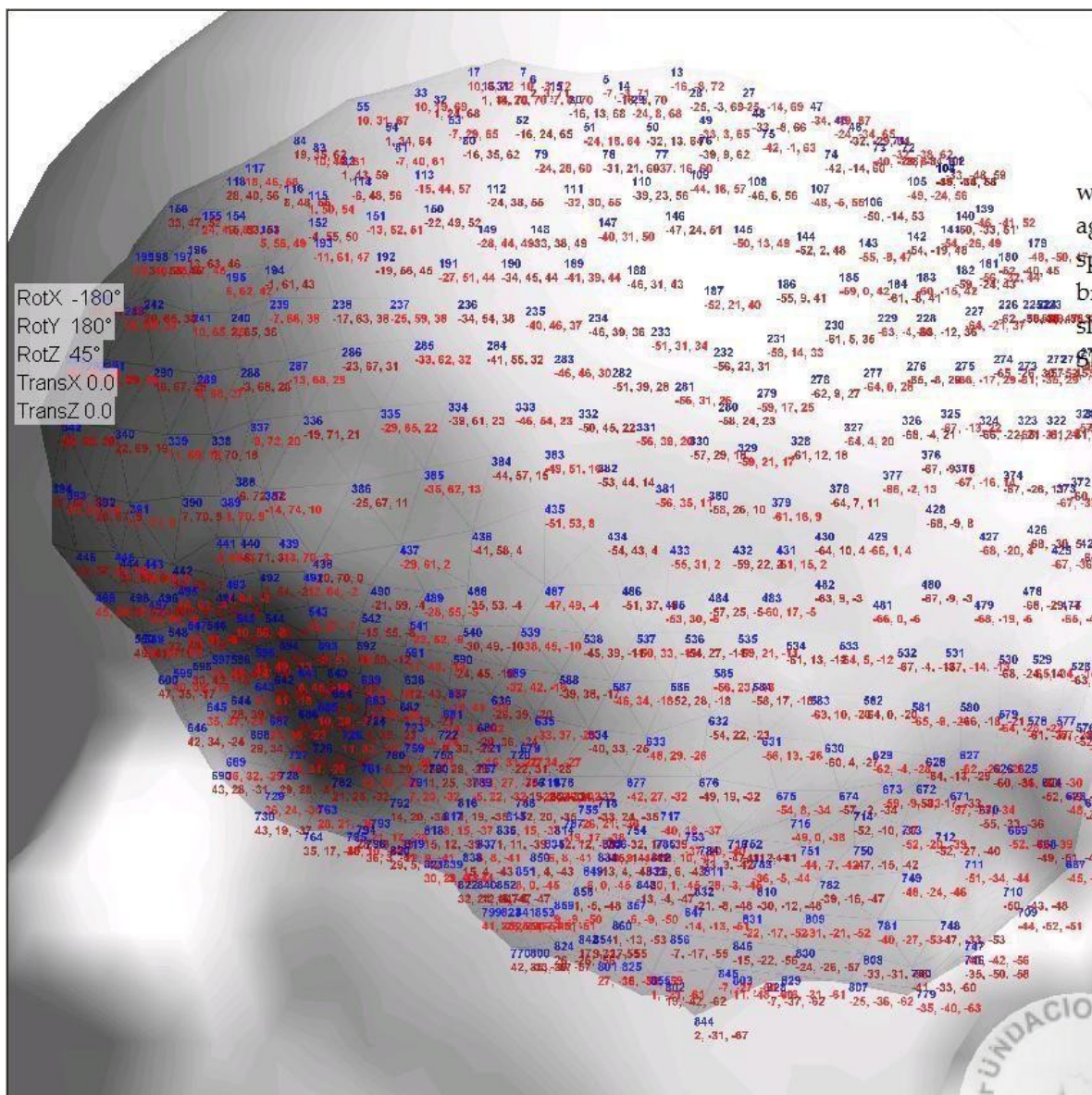
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with cognitive handicap
age 10 years
spikes and waves are shown, multiform, not uniform
brain waves excessive deflections and a predominance of
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SERIE 09

F3 1.48 μV

-200 μV

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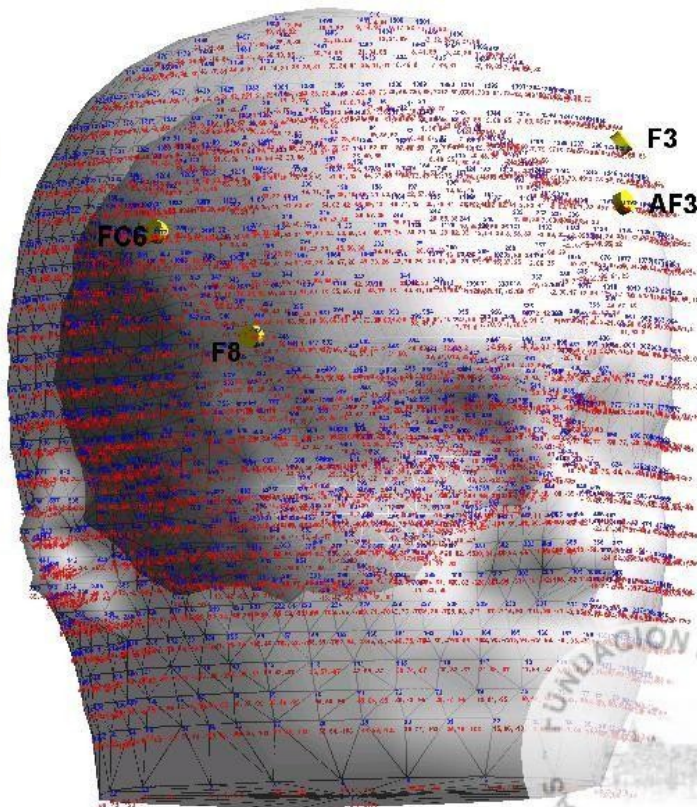


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FUNDACION J.M.A.S.

18:45:26.500 - 18:45:26.520

Max 8.87
Min -12.83



age 14 years. cognitive handicap
large deflection, varied traces of voltage, spikes and waves are shown,
multiform, spike-wave.
rapid pace
alpha beta theta
serie 01

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AF3

F3

T7

O1

P8

FC6

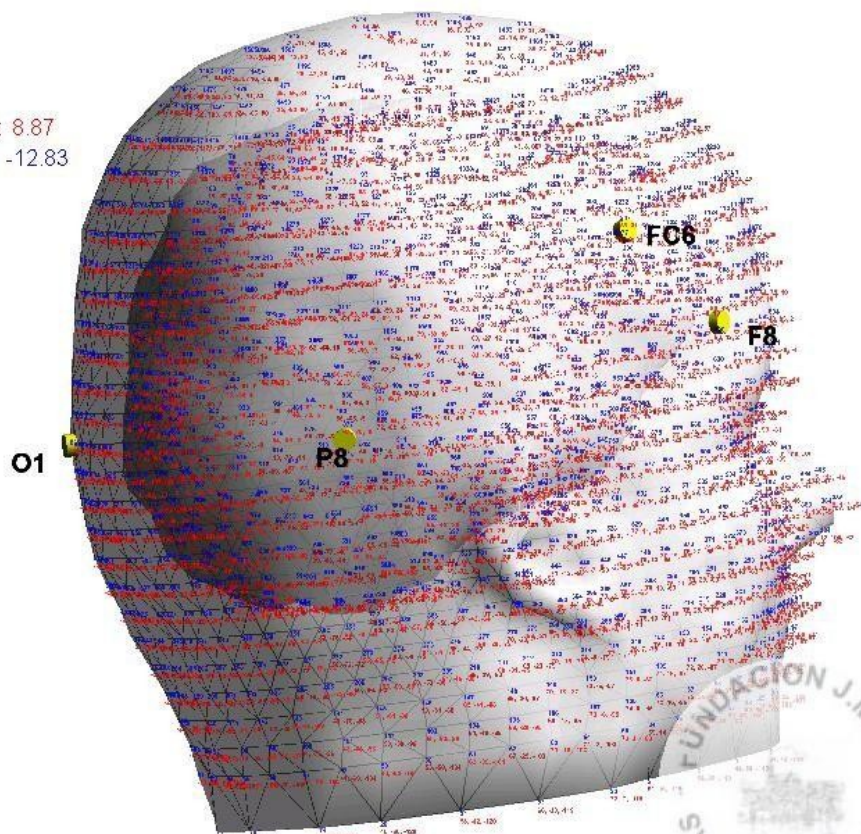
F8

200 μ V

2 s

18:45:26.500 - 18:45:26.520

Max 8.87
Min -12.83



age 14 years. cognitive handicap
large deflection, varied traces of voltage, spikes and waves are
shown, multiform, spike-wave.
rapid pace
alpha beta theta
serie 02

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18:45:34.992

AF3

F3

T7

O1

P8

FC6

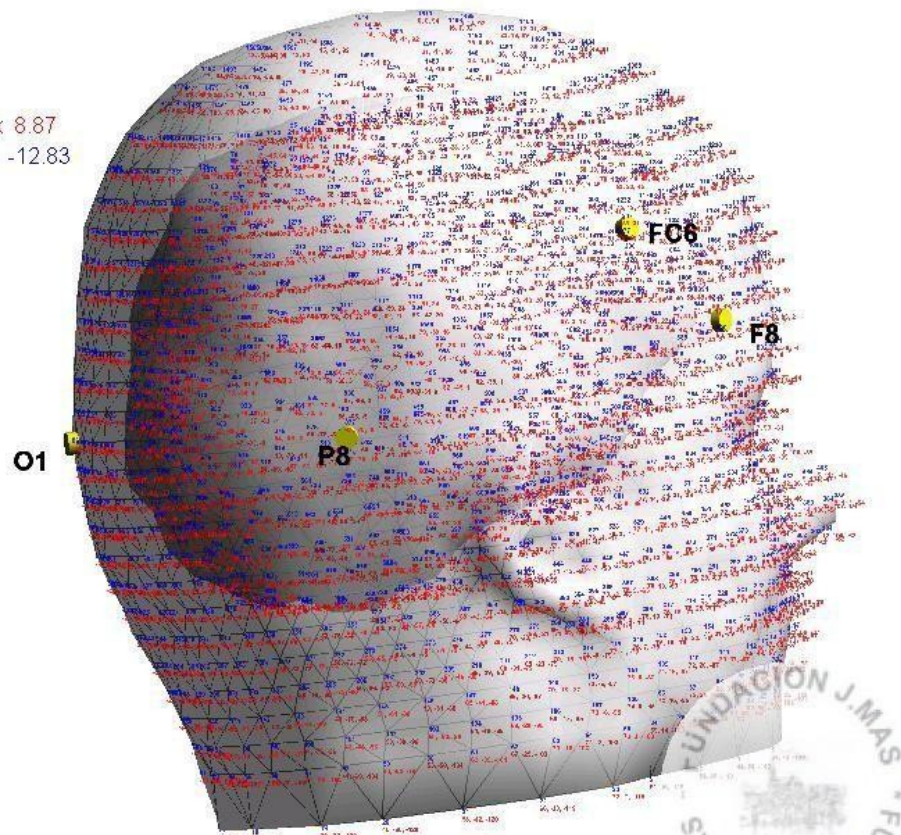
F8

-200 μ V

2 s

18:45:26.500 - 18:45:26.520

Max 8.87
Min -12.83



age 14 years. cognitive handicap
large deflection, varied traces of voltage, spikes and waves are shown,
multiform, spike-wave.
rapid pace
alpha beta theta
serie 03

18:45:25.000

18:45:34.992

AF3

F3

T7

O1

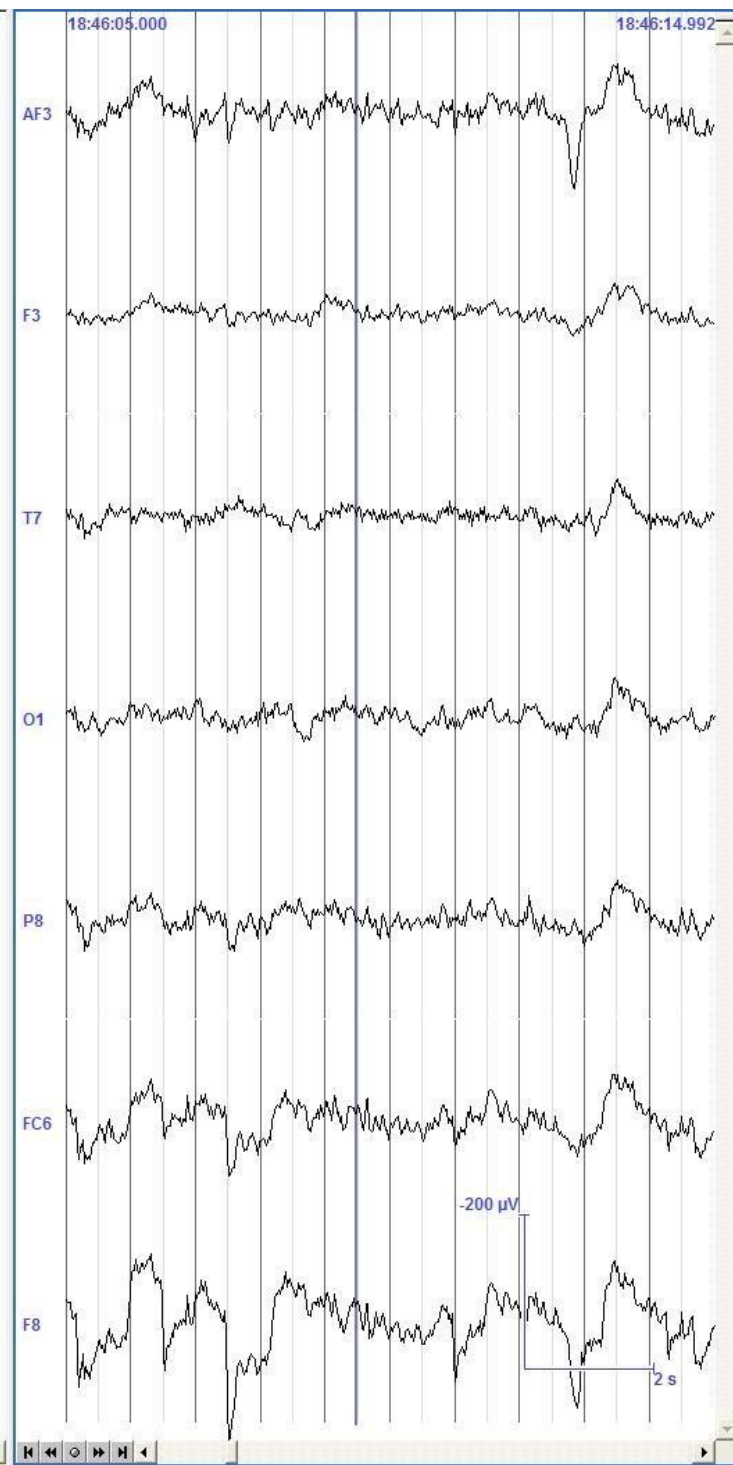
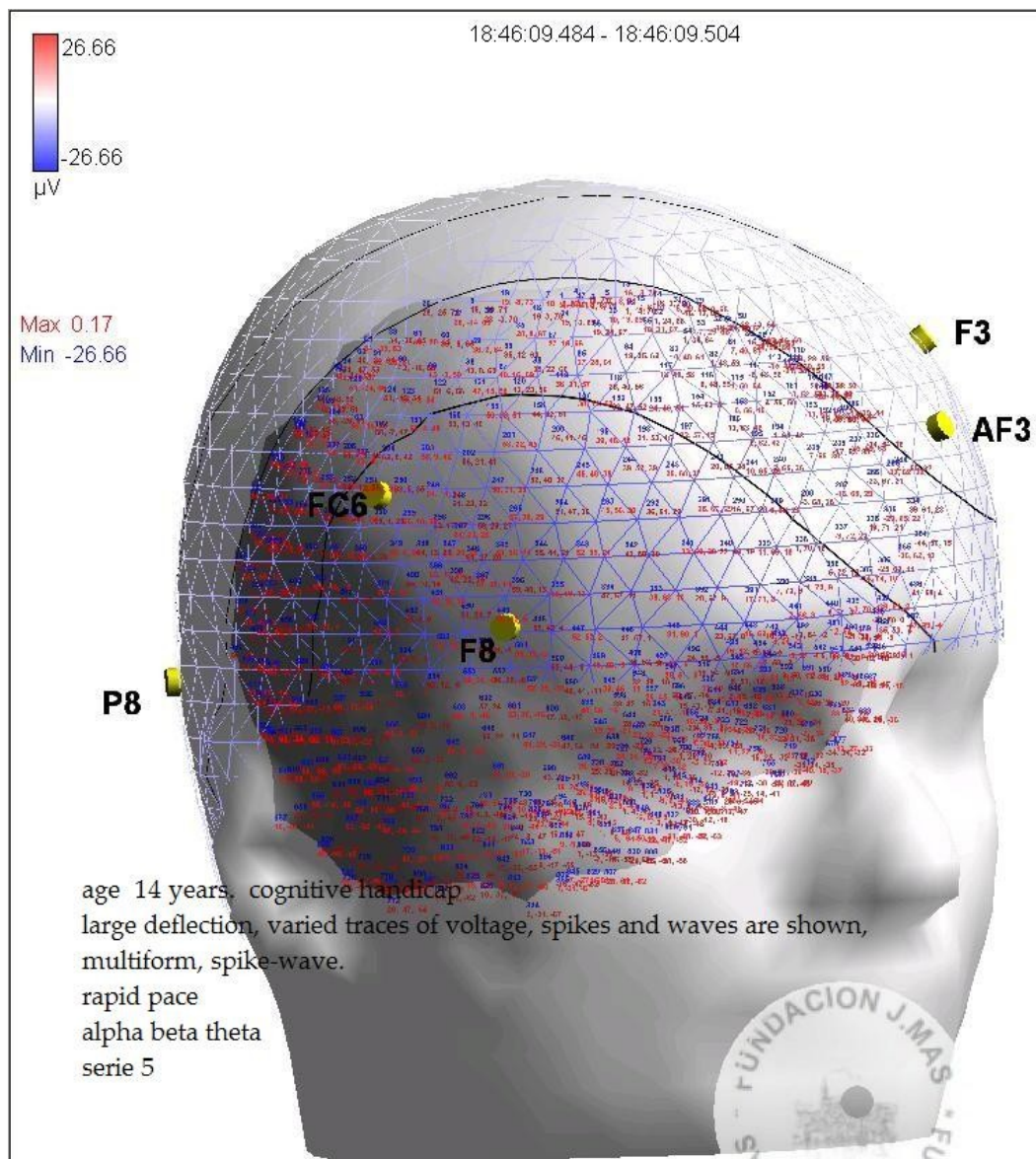
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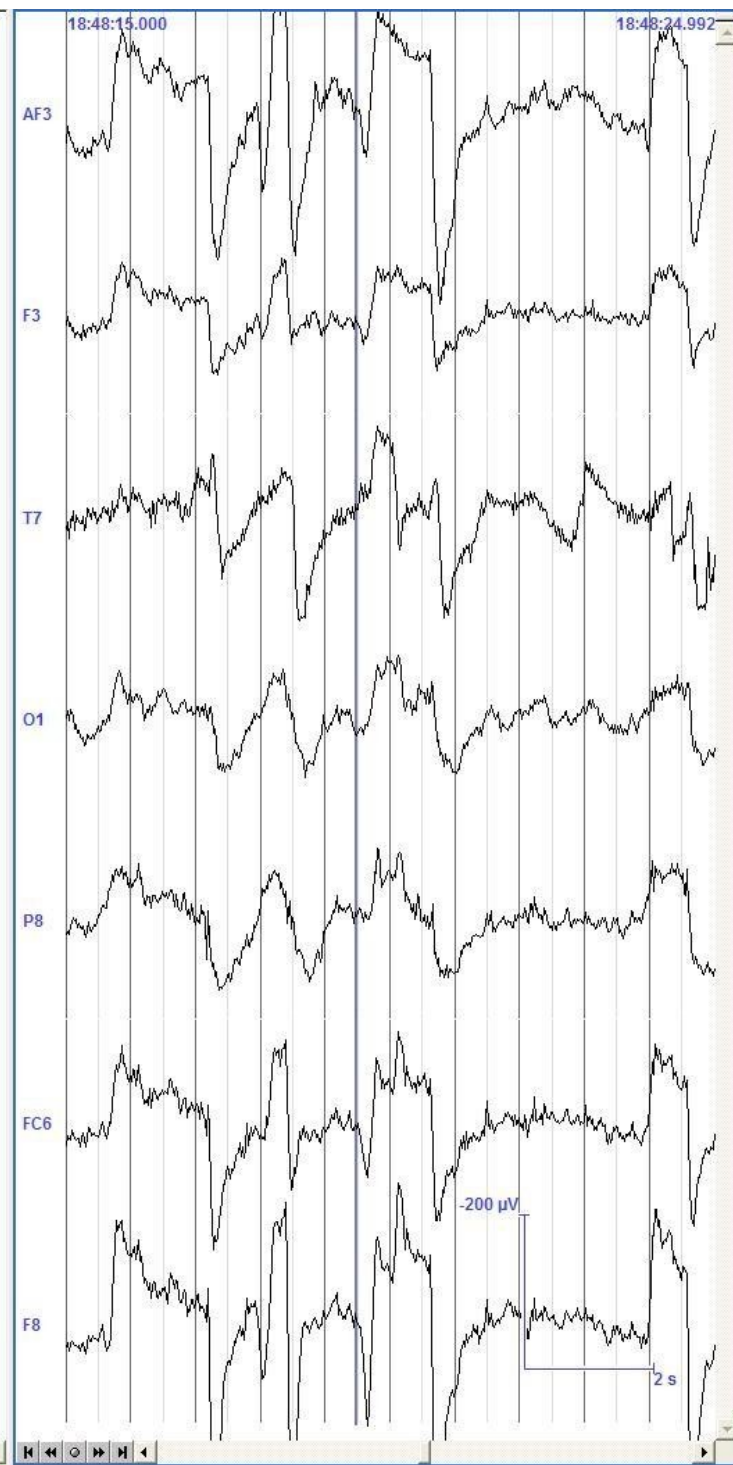
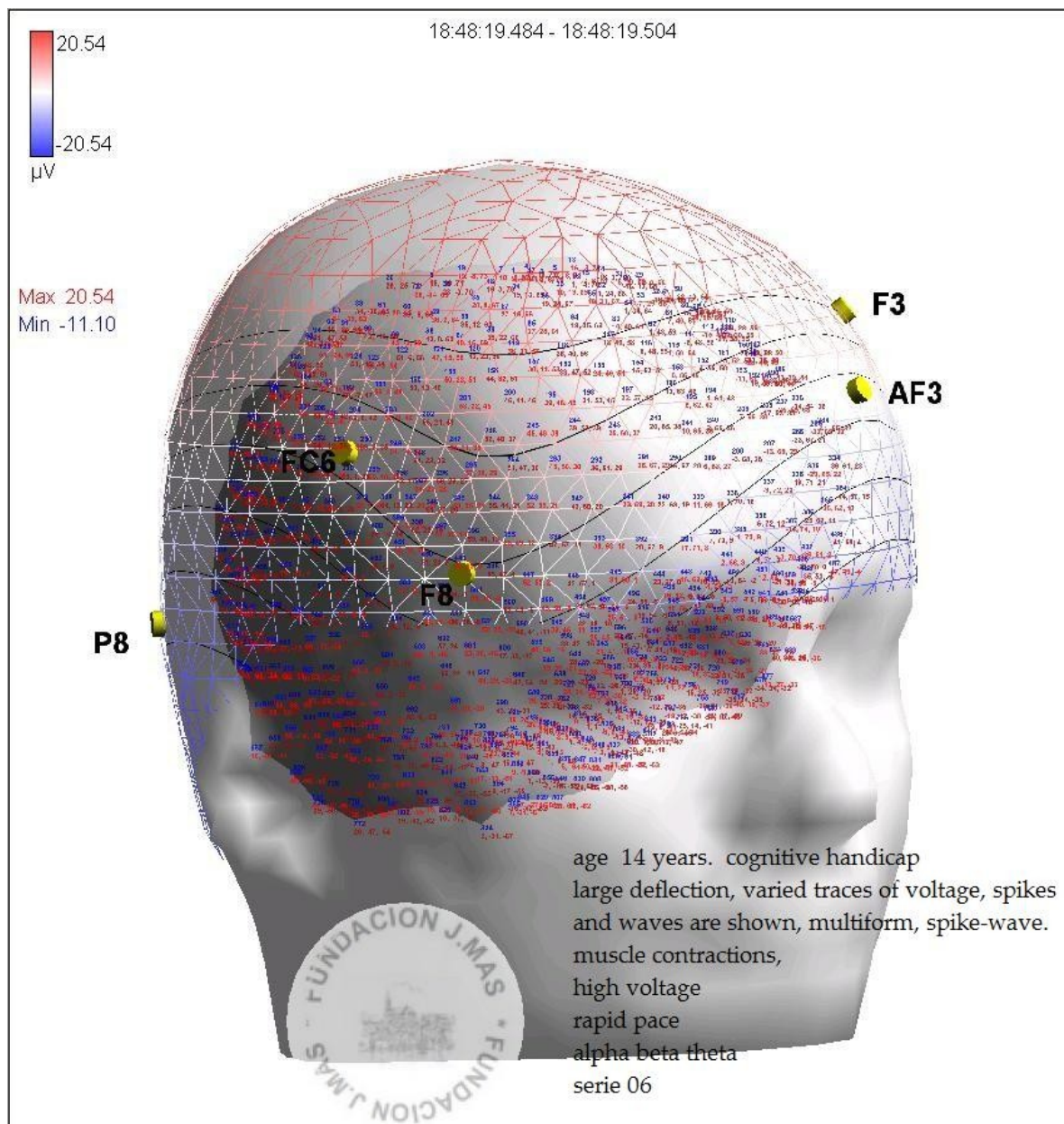
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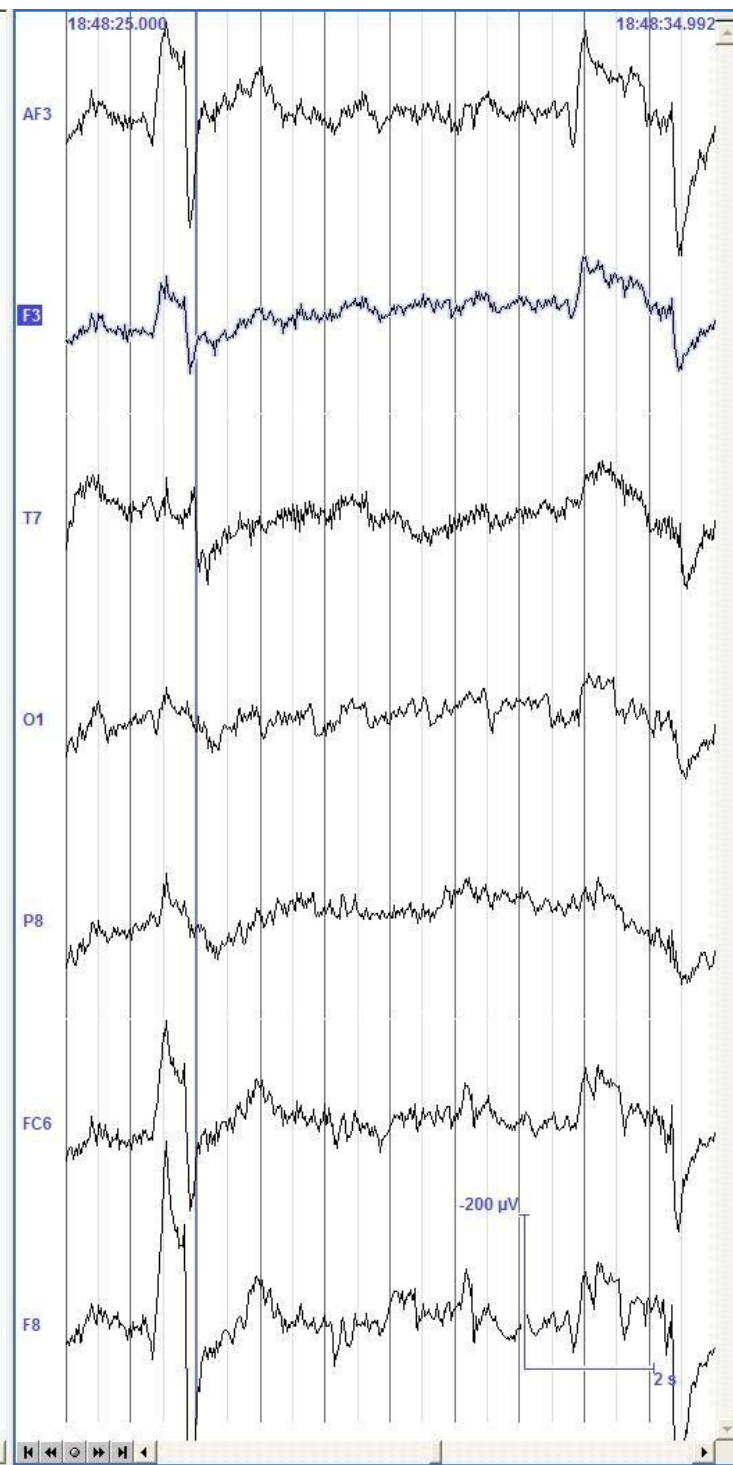
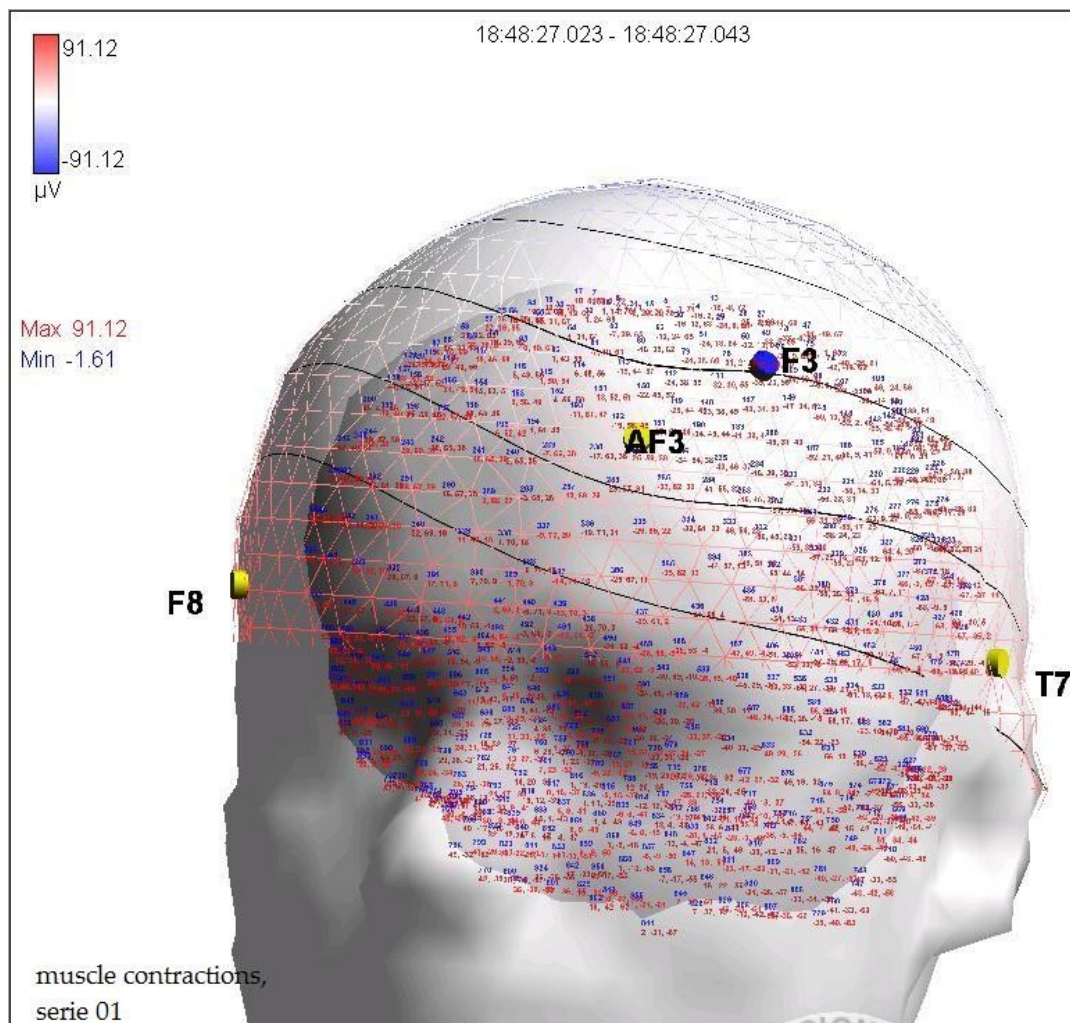
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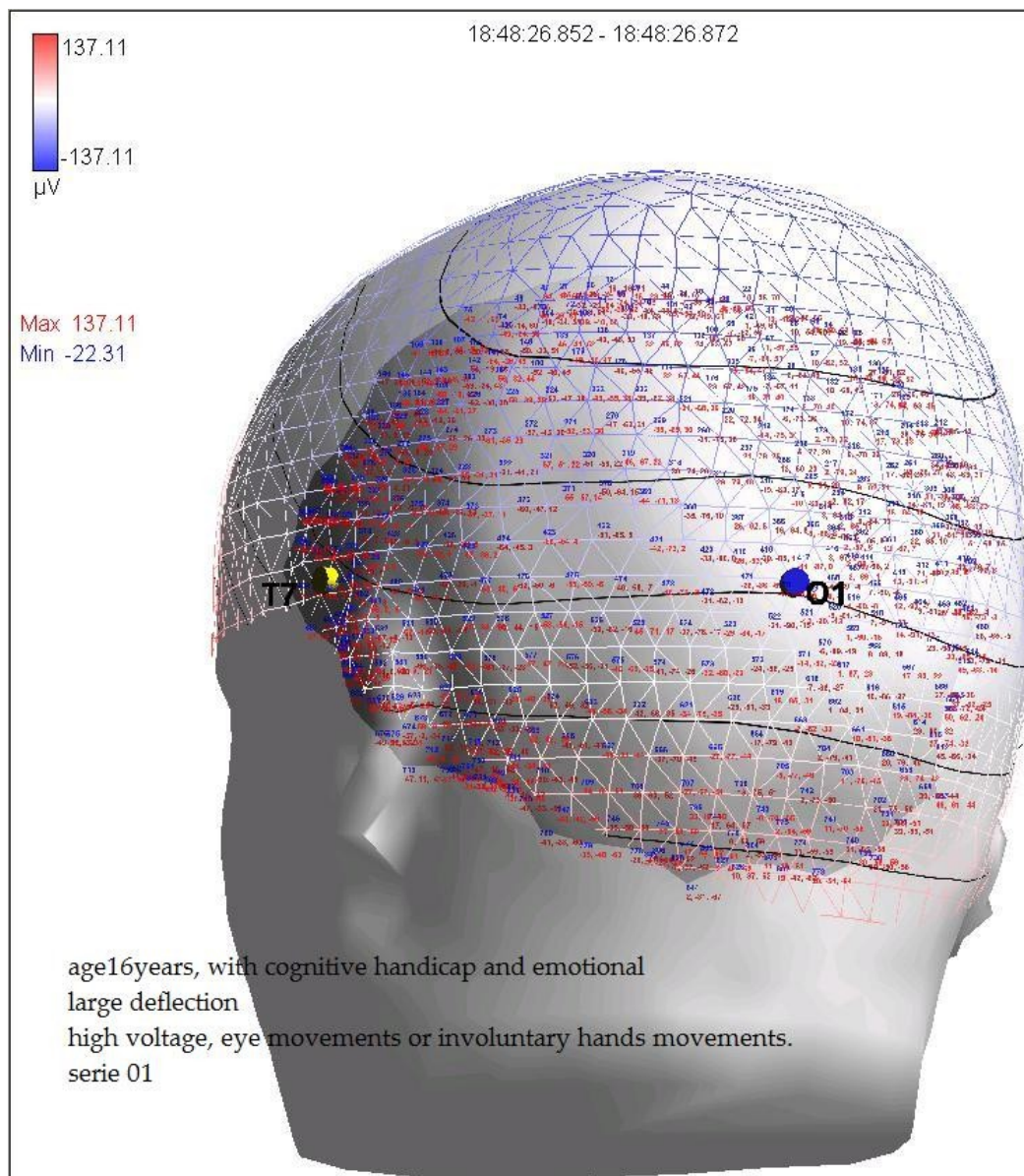
-200 μ V

2 s

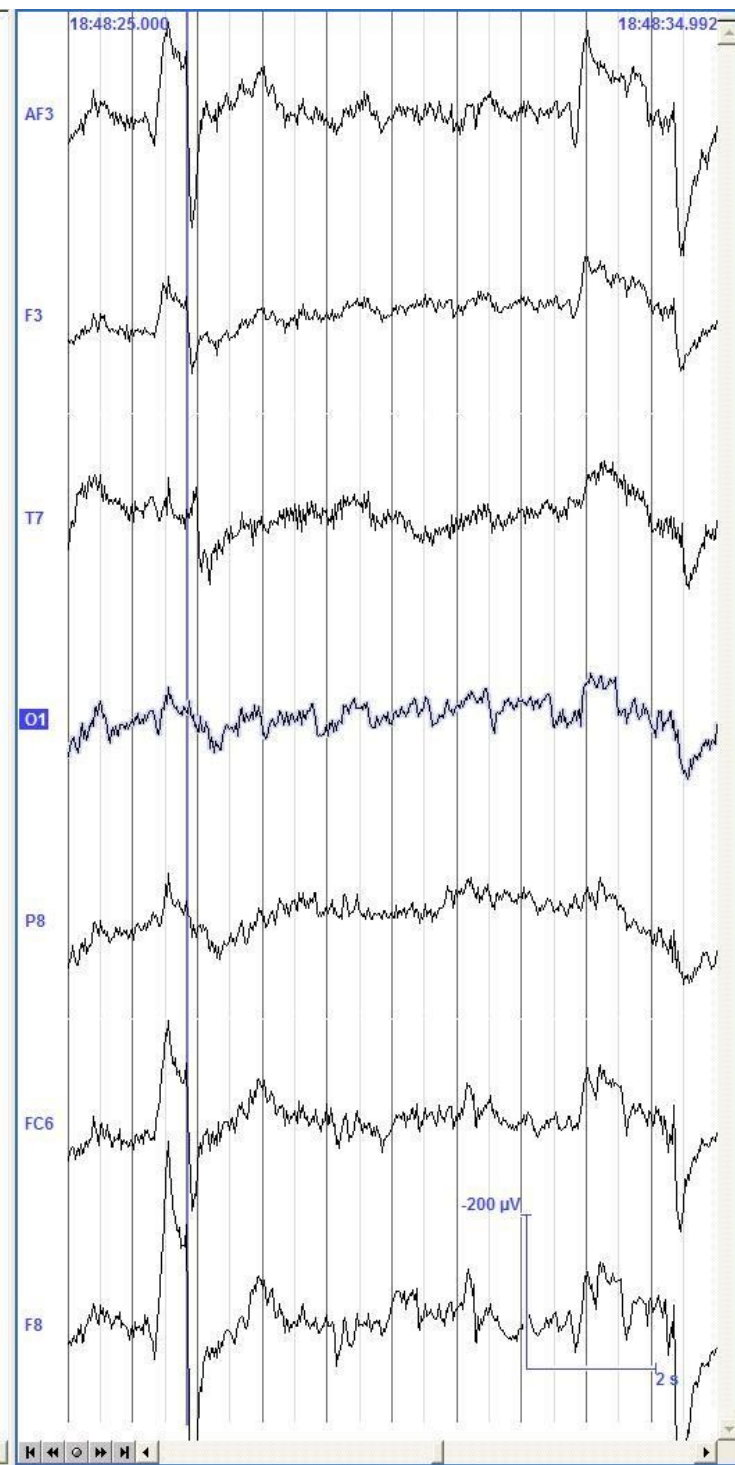


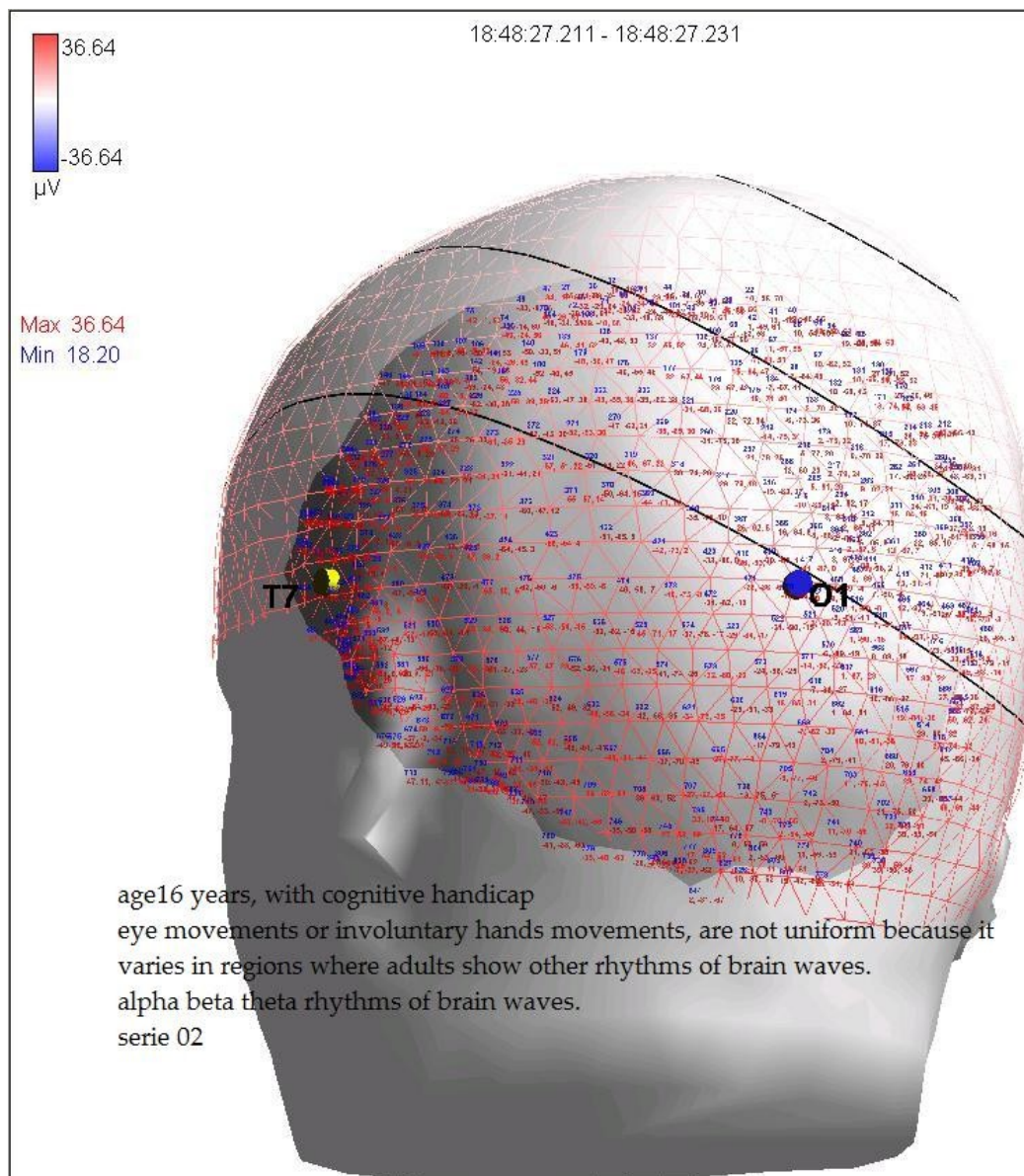




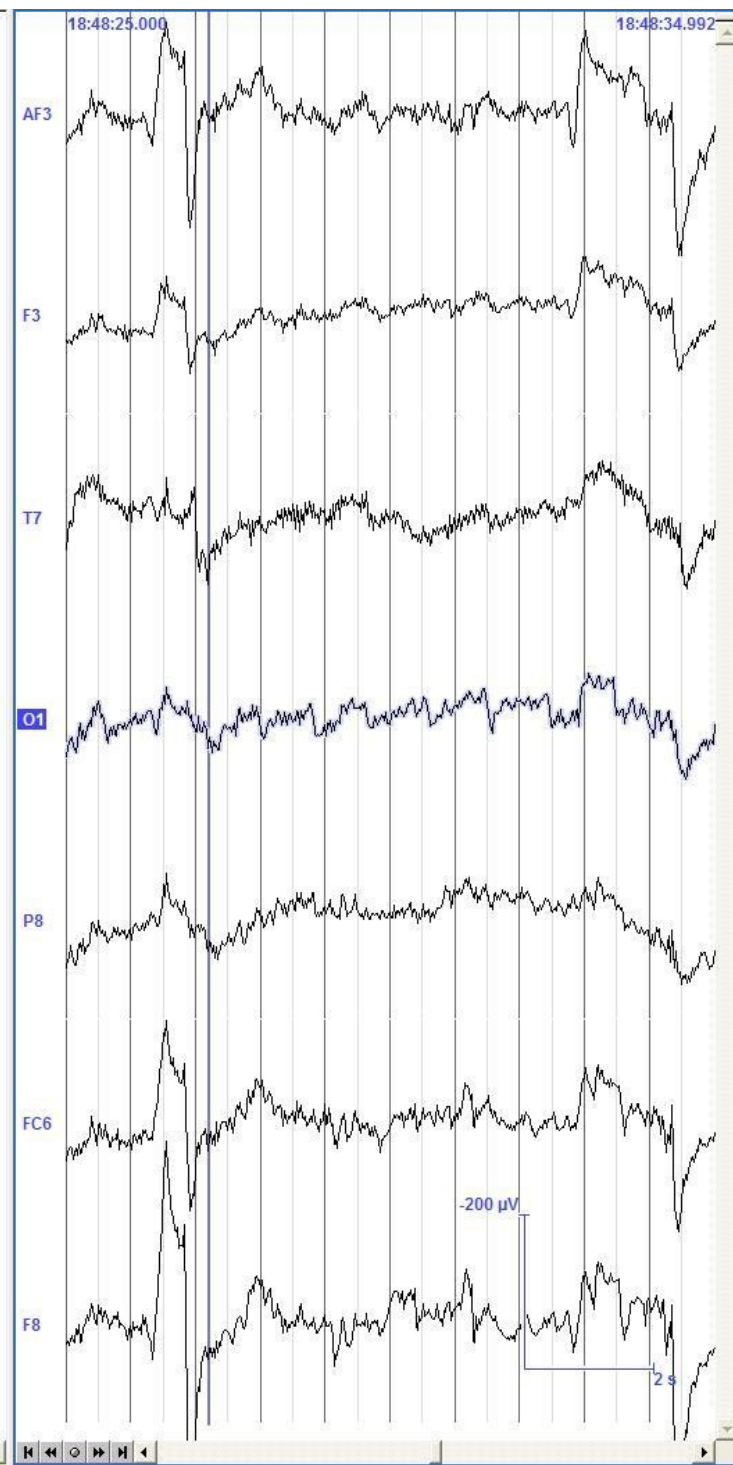


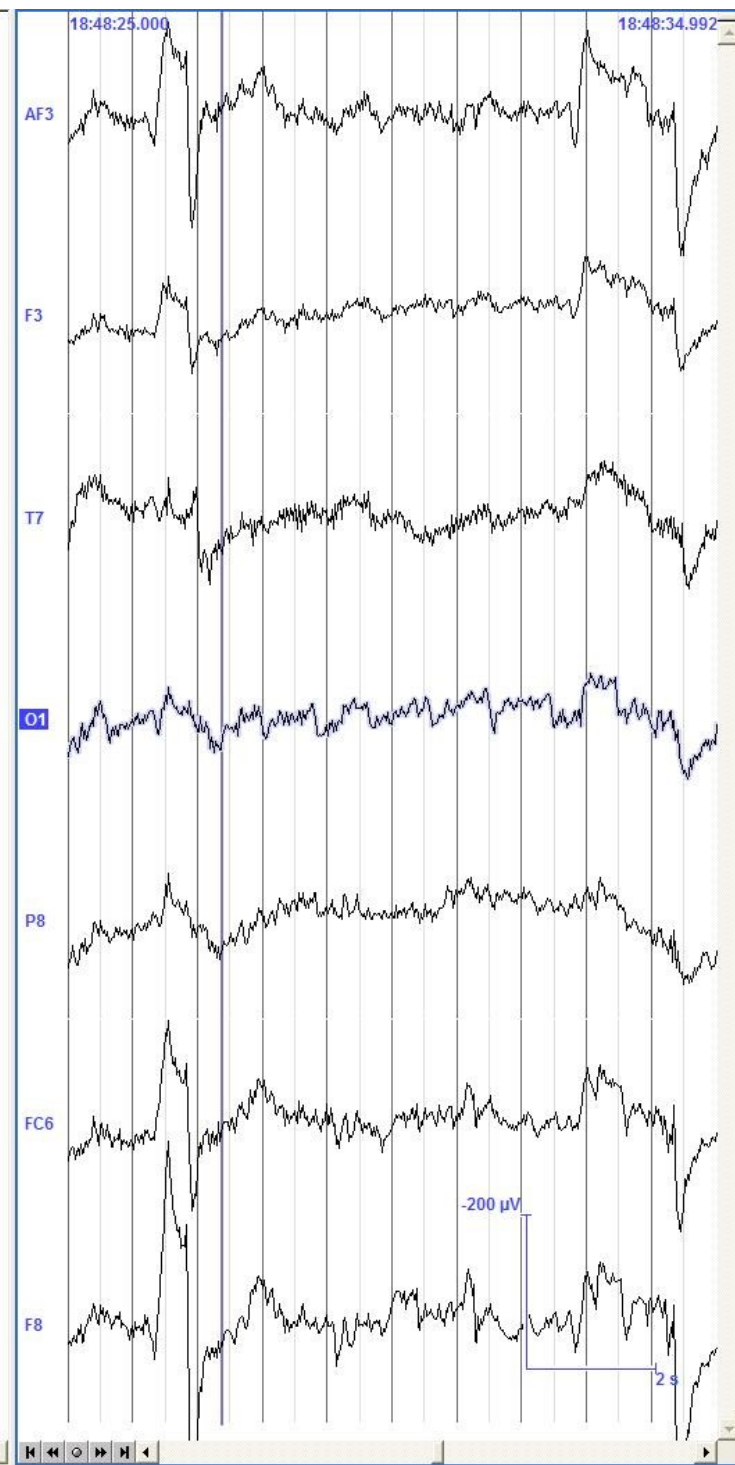
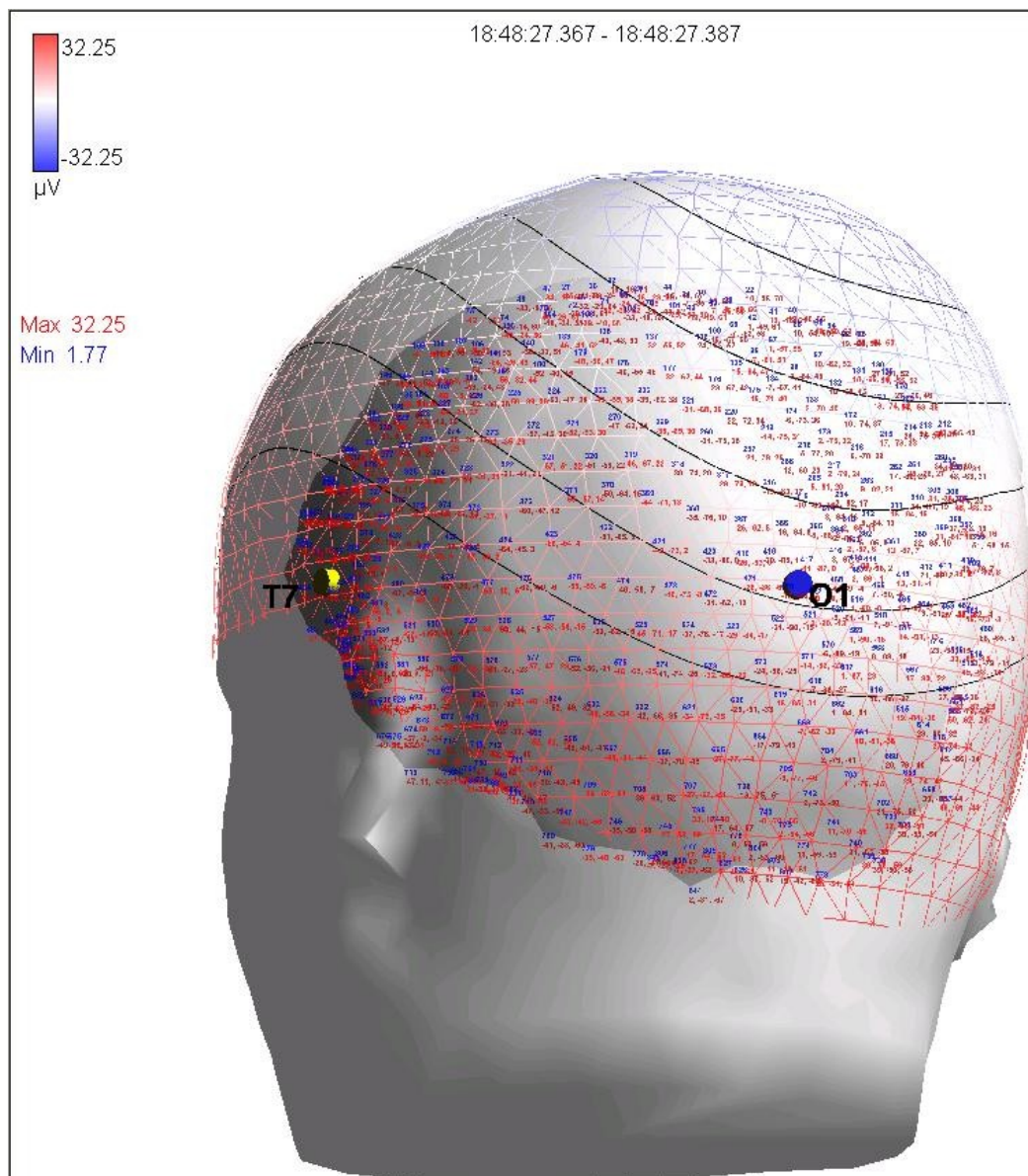
age16years, with cognitive handicap and emotional
large deflection
high voltage, eye movements or involuntary hands movements.
serie 01





age16 years, with cognitive handicap
eye movements or involuntary hands movements, are not uniform because it
varies in regions where adults show other rhythms of brain waves.
alpha beta theta rhythms of brain waves.
serie 02





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